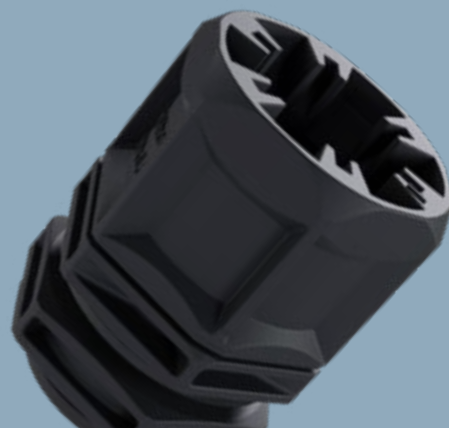
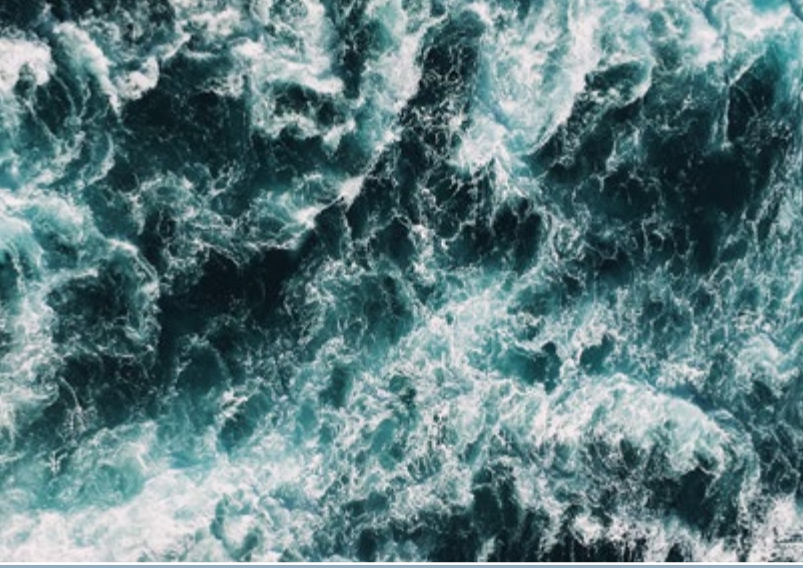


Catalogue Industry & Electrical Trade

Cable entries
Installation material





We are WISKA

We are a family-owned company founded in Hamburg in 1919 and have a passion for developing electrical installation materials, maritime lighting products and CCTV video surveillance systems that deliver our customers high quality and ease of operation.

We as manufacturer of ship installation materials know the harsh climate on the coast. These extreme conditions have shaped the demands on our products for over 100 years. The result is that everything we manufacture is high quality and made for the toughest environments.

Our new Factory

At our headquarter's site in Kaltenkirchen, north Hamburg, Germany, we have built a new factory with a high level of automated production, state-of-the-art integrated logistics as well as testing laboratories for a full supply chain at one site for our Industry & Trade business unit, offering high quality and maximum flexibility to our customers.





Made by WISKA

In order to deliver the best solutions and highest quality on time, we control every process of the entire supply chain ourselves. Research and development, design, purchasing, production, laboratory, marketing, sales and logistics as well as after-sales service – everything is in our hands and controlled by strict quality management.

Sustainability is important to us - we take responsibility for the environment, our employees and our entire supply chain.

The WISKA Team

It is important for us to know each other well and to have successful relationships with customers, partners and employees. This is done best through personal contact. That is why we at WISKA take the time to care for these relationships supported by a global network of sales partners and our own sales subsidiaries.

That means for you: we are always close by. Before, during and after sales.



High quality manufacturing and where it comes into place

Our cable glands, cable entries and junction boxes offer professional solutions for individual applications in different industries, which contribute to the reliable operational readiness of technical systems.



Cable Protection

Grommets

Cable Entry Systems

Cable Glands

Junction Boxes

Automation



Power Generation



Shipbuilding



Lighting



Railway



Machine and Plant Engineering



Electrical Industry



Plug and Connector Technology



Electrical Installation



Distribution

Content

In the chapters with the * you will find our new products!

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Our Cable Glands

As early as the 1920s we developed the first plastic cable glands. Today we produce highly specialised polyamide components in-house at our company's steadily growing injection moulding facility.

Sealing inserts

Our extensive range of seals are available in various materials for special applications. These include, for example, applications at low temperatures or in the railway industry. Find out more on page 66.

Cap nuts

Our cable glands can be equipped with different cap nuts for individual requirements and offer the perfect solution for every application in combination with the matching fitting.

Fittings

With the typical WISKA clamping cage, which enables perfect strain relief, there are different variants of fittings. Due to our unique design of the thread pitch on the part of the fitting that mates with the cap nut, our SPRINT® cable glands are very vibration resistant.



SPRINT® Cable Gland System

Our SPRINT® system has been convincing for more than 30 years as an efficient and reliable system for the most versatile areas of application. Due to the large product variety, it is suitable for individual applications.



SPRINT
by WISKA



Our products at a glance

Polyamide cable glands and accessories (Page 8 - 21)



Zinc cable gland (Page 33)



Brass cable glands and accessories (Page 22 - 30)



Stainless steel cable glands and accessories (Page 31 - 33)



Explore more...




SPRINT® Cable glands, ESKV, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM

ESKV


|  | Type | RAL 7035 | RAL 7001 | RAL 9005 | RAL 3000 | RAL 9001 | Thread | Ø Cable in mm | PU |
|---|----------|----------|----------|----------|----------|----------|----------|---------------|-------|
| | ESKV 12 | 10066410 | 10066380 | 10066120 | | | | M 12x1,5 | 3 - 7 |
| ESKV 16 | 10066411 | 10066381 | 10066121 | | | | M 16x1,5 | 4,5 - 10 | 50 |
| ESKV 20 | 10066412 | 10066382 | 10066122 | | | | M 20x1,5 | 6 - 13 | 50 |
| ESKV 25 | 10066413 | 10066383 | 10066123 | 10060456 | 10102748 | | M 25x1,5 | 9 - 17 | 50 |
| ESKV 32 | 10066414 | 10066384 | 10066124 | | | | M 32x1,5 | 13 - 21 | 25 |
| ESKV 40 | 10066415 | 10066385 | 10066125 | | | | M 40x1,5 | 16 - 28 | 10 |
| ESKV 50 | 10066416 | 10066386 | 10066126 | | | | M 50x1,5 | 21 - 35 | 4 |
| ESKV 63 | 10066417 | 10066387 | 10066127 | | | | M 63x1,5 | 34 - 48 | 3 |
| ESKV 75 | 10112775 | | 10112776 | | | | M 75x1,5 | 48 - 62 | 1 |

ESKV-L, long thread

|  | Type | RAL 7035 | RAL 7001 | RAL 9005 | RAL 3000 | RAL 9001 | Thread | Ø Cable in mm | PU |
|--|-----------|----------|----------|----------|----------|----------|----------|---------------|-------|
| | ESKV-L 12 | 10066390 | 10066516 | 10066500 | | | | M 12x1,5 | 3 - 7 |
| ESKV-L 16 | 10066391 | 10066517 | 10066501 | | | | M 16x1,5 | 4,5 - 10 | 50 |
| ESKV-L 20 | 10066392 | 10066518 | 10066502 | | | | M 20x1,5 | 6 - 13 | 50 |
| ESKV-L 25 | 10066393 | 10066519 | 10066503 | | | | M 25x1,5 | 9 - 17 | 50 |
| ESKV-L 32 | 10066394 | 10066520 | 10066504 | | | | M 32x1,5 | 13 - 21 | 25 |
| ESKV-L 40 | 10066395 | 10066521 | 10066505 | | | | M 40x1,5 | 16 - 28 | 10 |
| ESKV-L 50 | 10066396 | 10066522 | 10066506 | | | | M 50x1,5 | 21 - 35 | 10 |
| ESKV-L 63 | 10066397 | 10066523 | 10066507 | | | | M 63x1,5 | 34 - 48 | 10 |

SPRINT® Cable gland extended clamping range, ESKV PLUS, metric, EN 62444

Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|--------------|----------|----------|-----------|---------------|----|
| | ESKV 20 PLUS | 10061789 | 10061864 | M 20x1,5 | 7,5 - 14 | 50 |
| ESKV 25 PLUS | 10110695 | 10110697 | M 25x1,5 | 13 - 17,5 | 50 | |
| ESKV 32 PLUS | 10110698 | 10110700 | M 32x1,5 | 19 - 25 | 25 | |
| ESKV 40 PLUS | 10110701 | 10110703 | M 40x1,5 | 26 - 32 | 10 | |
| ESKV 50 PLUS | 10110704 | 10110706 | M 50x1,5 | 32 - 39 | 4 | |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

Our established ESKV in a bigger size!

Our ESKV cable gland is now also available in size M75. Perfect for installations with very large cable diameters.

The matching locknut can be found on page 16.



SPRINT® Cable glands LowTemp, ESKV LT, metric, EN 62444



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -60 °C - 100 °C
Material Gland Polyamide, Gasket Silicone

ESKV LT

| | Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | Ø Cable in mm | PU |
|--|------------|----------|----------|----------|----------|---------------|----|
| | ESKV 12 LT | 10062763 | 10061917 | 10061490 | M 12x1,5 | 3 - 7 | 50 |
| | ESKV 16 LT | 10062777 | 10061957 | 10061499 | M 16x1,5 | 4,5 - 10 | 50 |
| | ESKV 20 LT | 10062778 | 10061121 | 10061509 | M 20x1,5 | 6 - 13 | 50 |
| | ESKV 25 LT | 10062779 | 10061463 | 10061518 | M 25x1,5 | 9 - 17 | 50 |
| | ESKV 32 LT | 10062780 | 10061491 | 10061799 | M 32x1,5 | 13 - 21 | 25 |
| | ESKV 40 LT | 10062781 | 10061500 | 10061853 | M 40x1,5 | 16 - 28 | 10 |
| | ESKV 50 LT | 10062782 | 10061510 | 10061866 | M 50x1,5 | 21 - 35 | 4 |
| | ESKV 63 LT | 10062800 | 10061644 | 10061911 | M 63x1,5 | 34 - 48 | 3 |

ESKV-L LT, long thread

| | Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | Ø Cable in mm | PU |
|--|--------------|----------|----------|----------|----------|---------------|----|
| | ESKV-L 12 LT | 10062737 | 10061512 | 10061690 | M 12x1,5 | 3 - 7 | 50 |
| | ESKV-L 16 LT | 10062738 | 10061691 | 10061855 | M 16x1,5 | 4,5 - 10 | 50 |
| | ESKV-L 20 LT | 10062739 | 10061860 | 10061868 | M 20x1,5 | 6 - 13 | 50 |
| | ESKV-L 25 LT | 10062758 | 10061869 | 10061907 | M 25x1,5 | 9 - 17 | 50 |
| | ESKV-L 32 LT | 10062759 | 10061908 | 10061919 | M 32x1,5 | 13 - 21 | 25 |
| | ESKV-L 40 LT | 10062760 | 10061951 | 10061950 | M 40x1,5 | 16 - 28 | 10 |
| | ESKV-L 50 LT | 10062761 | 10061494 | 10061493 | M 50x1,5 | 21 - 35 | 10 |
| | ESKV-L 63 LT | 10062762 | 10061504 | 10061502 | M 63x1,5 | 34 - 48 | 10 |

SPRINT® Cable gland flame-retardant, ESKV-F, metric, EN 62444



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 960 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, flame-retardant, Gasket EPDM


| | Type | RAL 7035 | Thread | Ø Cable in mm | PU |
|--|-----------|----------|----------|---------------|----|
| | ESKV-F 12 | 10064626 | M 12x1,5 | 3 - 7 | 50 |
| | ESKV-F 16 | 10064627 | M 16x1,5 | 4,5 - 10 | 50 |
| | ESKV-F 20 | 10064628 | M 20x1,5 | 6 - 13 | 50 |
| | ESKV-F 25 | 10064629 | M 25x1,5 | 9 - 17 | 50 |
| | ESKV-F 32 | 10064630 | M 32x1,5 | 13 - 21 | 25 |
| | ESKV-F 40 | 10064631 | M 40x1,5 | 16 - 28 | 10 |
| | ESKV-F 50 | 10064632 | M 50x1,5 | 21 - 35 | 4 |
| | ESKV-F 63 | 10064633 | M 63x1,5 | 34 - 48 | 3 |

SPRINT® Cable gland with accessories, ESKV-Set,
with locknut and connection thread gasket, metric, EN 62444



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C

Temperature range -40 °C · 100 °C
Material Gland Polyamide, Gasket EPDM




| Type | RAL 7035 | Thread | Ø Cable in mm | PU |
|-------------|----------|----------|---------------|----|
| ESKV-SET 12 | 10066524 | M 12x1,5 | 3 · 7 | 50 |
| ESKV-SET 16 | 10066525 | M 16x1,5 | 4,5 · 10 | 50 |
| ESKV-SET 20 | 10066526 | M 20x1,5 | 6 · 13 | 50 |
| ESKV-SET 25 | 10066527 | M 25x1,5 | 9 · 17 | 50 |
| ESKV-SET 32 | 10066528 | M 32x1,5 | 13 · 21 | 25 |
| ESKV-SET 40 | 10066529 | M 40x1,5 | 16 · 28 | 10 |
| ESKV-SET 50 | 10066530 | M 50x1,5 | 21 · 35 | 4 |
| ESKV-SET 63 | 10066531 | M 63x1,5 | 34 · 48 | 3 |

SPRINT® Gland Pack, cable glands with accessories,
GLP, with locknut, metric, EN 62444



Protection class IP69 / IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C

Temperature range -40 °C · 100 °C
Material Gland Polyamide, Gasket EPDM




| Type | RAL 7035 | RAL 9005 | RAL 3000 | RAL 9001 | Thread | Ø Cable in mm | PU |
|--------|----------|----------|----------|----------|----------|---------------|----|
| GLP12 | 10106662 | 10106820 | | | M 12x1,5 | 3 · 7 | 10 |
| GLP16 | 10106661 | 10106819 | | | M 16x1,5 | 4,5 · 10 | 10 |
| GLP20 | 10100613 | 10100612 | 10100614 | 10100611 | M 20x1,5 | 7,5 · 14 | 10 |
| GLP25 | 10106682 | 10106657 | 10109780 | 10106656 | M 25x1,5 | 9 · 17 | 10 |
| GLP25+ | 10111148 | 10111149 | | | M 25x1,5 | 13 · 17,5 | 10 |
| GLP32 | 10105302 | 10106658 | | | M 32x1,5 | 13 · 21 | 10 |
| GLP32+ | 10111080 | 10111081 | | | M 32x1,5 | 18 · 25 | 10 |
| GLP40 | 10106659 | 10106660 | | | M 40x1,5 | 16 · 28 | 5 |
| GLP40+ | 10111150 | 10111151 | | | M 40x1,5 | 26 · 32 | 5 |
| GLP50 | 10109781 | 10109782 | | | M 50x1,5 | 21 · 35 | 5 |
| GLP50+ | 10111152 | 10111153 | | | M 50x1,5 | 32 · 39 | 5 |
| GLP63 | 10109783 | | | | M 63x1,5 | 34 · 48 | 5 |

SPRINT® Cable gland with accessories,
ESKV-RDE, with reduction sealing insert, metric, EN 62444



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C

Temperature range -40 °C · 100 °C
Material Gland Polyamide, Gasket EPDM



| Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | Ø Cable in mm | PU |
|-------------|----------|----------|----------|----------|---------------|----|
| ESKV-RDE 12 | 10064976 | 10064984 | 10064992 | M 12x1,5 | 1 · 7 | 50 |
| ESKV-RDE 16 | 10064977 | 10064985 | 10064993 | M 16x1,5 | 2 · 10 | 50 |
| ESKV-RDE 20 | 10064978 | 10064986 | 10064994 | M 20x1,5 | 4 · 13 | 50 |
| ESKV-RDE 25 | 10064979 | 10064987 | 10064995 | M 25x1,5 | 7 · 17 | 50 |
| ESKV-RDE 32 | 10064980 | 10064988 | 10064996 | M 32x1,5 | 9 · 21 | 25 |
| ESKV-RDE 40 | 10064981 | 10064989 | 10064997 | M 40x1,5 | 12 · 28 | 10 |
| ESKV-RDE 50 | 10064982 | 10064990 | 10064998 | M 50x1,5 | 16 · 35 | 4 |
| ESKV-RDE 63 | 10064983 | 10064991 | 10064999 | M 63x1,5 | 28 · 48 | 3 |

SPRINT® Cable gland, NSKV, NPT



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM



| Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|------------|----------|----------|------------|---------------|----|
| NSKV 1/4 | 10062655 | 10061854 | NPT 1/4" | 3 - 7 | 50 |
| NSKV 3/8 | 10062656 | 10061867 | NPT 3/8" | 4,5 - 10 | 50 |
| NSKV 1/2 | 10062657 | 10061906 | NPT 1/2" | 6 - 13 | 50 |
| NSKV 3/4 | 10062658 | 10061918 | NPT 3/4" | 9 - 17 | 50 |
| NSKV 1 | 10062659 | 10061041 | NPT 1" | 13 - 21 | 25 |
| NSKV 1 1/4 | 10062731 | 10061492 | NPT 1 1/4" | 16 - 28 | 10 |
| NSKV 1 1/2 | 10062732 | 10061501 | NPT 1 1/2" | 21 - 35 | 4 |
| NSKV 2 | 10062736 | 10061511 | NPT 2" | 34 - 48 | 3 |

Cable gland, SKV, PG



Protection class IP68 (5 bar 30 min)
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM



| Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | Ø Cable in mm | PU |
|----------|----------|----------|----------|---------|---------------|----|
| SKV 7 | 10066400 | 10066001 | 10066191 | PG 7 | 3 - 6 | 50 |
| SKV 9 | 10066401 | 10066002 | 10066192 | PG 9 | 4 - 8 | 50 |
| SKV 11 | 10066402 | 10066003 | 10066193 | PG 11 | 5 - 10 | 50 |
| SKV 13,5 | 10066403 | 10066004 | 10066194 | PG 13,5 | 6 - 12 | 50 |
| SKV 16 | 10066404 | 10066005 | 10066195 | PG 16 | 8 - 14 | 50 |
| SKV 21 | 10066405 | 10066006 | 10066196 | PG 21 | 10 - 18 | 25 |
| SKV 29 | 10066406 | 10066007 | 10066197 | PG 29 | 16 - 25 | 20 |
| SKV 36 | 10066407 | 10066008 | 10066198 | PG 36 | 22 - 32 | 10 |
| SKV 42 | 10066408 | 10066009 | 10066199 | PG 42 | 28 - 38 | 5 |
| SKV 48 | 10066409 | 10101793 | 10066200 | PG 48 | 36 - 44 | 4 |

Cable gland with bend protection, SKVS, PG



Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM

SKVS



| Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|-----------|----------|----------|---------|---------------|-----|
| SKVS 7 | 10060615 | 10061871 | PG 7 | 3 - 6,5 | 100 |
| SKVS 9 | 10060616 | 10061872 | PG 9 | 4 - 8 | 100 |
| SKVS 11 | 10060617 | 10061873 | PG 11 | 5 - 10 | 50 |
| SKVS 13,5 | 10060618 | 10061874 | PG 13,5 | 6 - 12 | 25 |
| SKVS 16 | 10060619 | 10061875 | PG 16 | 10 - 14 | 25 |
| SKVS 21 | 10060620 | 10061876 | PG 21 | 13 - 18 | 10 |

Cable Glands

Cable Entries

Cable Protection


Junction Boxes

T


SPRINT® Cable glands with bend protection,
 ESKVS, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM

ESKVS

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|----------|----------|----------|----------|---------------|-----|
| | ESKVS 12 | 10060757 | 10061276 | M 12x1,5 | 3 - 7 | 100 |
| ESKVS 16 | 10060758 | 10061277 | M 16x1,5 | 4,5 - 10 | 100 | |
| ESKVS 20 | 10060759 | 10061278 | M 20x1,5 | 6 - 13 | 50 | |
| ESKVS 25 | 10060760 | 10061279 | M 25x1,5 | 9 - 17 | 25 | |
| ESKVS 32 | 10060761 | 10061283 | M 32x1,5 | 13 - 21 | 10 | |


ESKVS-L, long thread

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|------------|----------|----------|----------|---------------|-----|
| | ESKVS-L 12 | 10061210 | 10061215 | M 12x1,5 | 3 - 7 | 100 |
| ESKVS-L 16 | 10061211 | 10061216 | M 16x1,5 | 4,5 - 10 | 100 | |
| ESKVS-L 20 | 10061212 | 10061217 | M 20x1,5 | 6 - 13 | 50 | |
| ESKVS-L 25 | 10061213 | 10061219 | M 25x1,5 | 9 - 17 | 25 | |
| ESKVS-L 32 | 10061214 | 10061220 | M 32x1,5 | 13 - 21 | 10 | |


SPRINT® Cable glands with external strain relief,
 ESKVZ, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM

ESKVZ

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|----------|----------|----------|----------|---------------|-----|
| | ESKVZ 12 | 10060722 | 10061475 | M 12x1,5 | 3 - 7 | 100 |
| ESKVZ 16 | 10060723 | 10061476 | M 16x1,5 | 4,5 - 10 | 100 | |
| ESKVZ 20 | 10060724 | 10061477 | M 20x1,5 | 6 - 13 | 50 | |
| ESKVZ 25 | 10060725 | 10061478 | M 25x1,5 | 9 - 17 | 25 | |
| ESKVZ 32 | 10060727 | 10061479 | M 32x1,5 | 13 - 21 | 10 | |

ESKVZ-L, long thread


|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|------------|----------|----------|----------|---------------|-----|
| | ESKVZ-L 12 | 10061465 | 10061470 | M 12x1,5 | 3 - 7 | 100 |
| ESKVZ-L 16 | 10061466 | 10061471 | M 16x1,5 | 4,5 - 10 | 100 | |
| ESKVZ-L 20 | 10061467 | 10061472 | M 20x1,5 | 6 - 13 | 50 | |
| ESKVZ-L 25 | 10061468 | 10061473 | M 25x1,5 | 9 - 17 | 25 | |
| ESKVZ-L 32 | 10061469 | 10061474 | M 32x1,5 | 13 - 21 | 10 | |

SPRINT® Push-In cable glands




Protection class IP68 (5 bar 30 min) / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gasket on cable EPDM, Gasket on housing TPE, polyamide cable gland


ESKV-P

|  | Type | RAL 7035 | RAL 9005 | Connection | Ø Cable in mm | PU |
|---|-----------|----------|----------|------------|---------------|----|
| | ESKV-P 12 | 10112627 | 10112631 | 12 | 3 – 7 | 50 |
| ESKV-P 16 | 10112628 | 10112632 | 16 | 4,5 – 10 | 50 | |
| ESKV-P 20 | 10112629 | 10112633 | 20 | 6 – 13 | 50 | |
| ESKV-P 25 | 10111963 | 10112062 | 25 | 9 – 17 | 25 | |
| ESKV-P 32 | 10112630 | 10112634 | 32 | 13 – 21 | 10 | |

ESKVS-P, with bend protection

|  | Type | RAL 7035 | RAL 9005 | Connection | Ø Cable in mm | PU |
|---|------------|----------|----------|------------|---------------|----|
| | ESKVS-P 12 | 10112635 | 10112639 | 12 | 3 – 7 | 50 |
| ESKVS-P 16 | 10112636 | 10112640 | 16 | 4,5 – 10 | 50 | |
| ESKVS-P 20 | 10112637 | 10112641 | 20 | 6 – 13 | 25 | |
| ESKVS-P 25 | 10112063 | 10112064 | 25 | 9 – 17 | 20 | |
| ESKVS-P 32 | 10112638 | 10112642 | 32 | 13 – 21 | 10 | |

ESKVZ-P, with external strain relief

|  | Type | RAL 7035 | RAL 9005 | Connection | Ø Cable in mm | PU |
|--|------------|----------|----------|------------|---------------|----|
| | ESKVZ-P 12 | 10112643 | 10112647 | 12 | 3 – 7 | 50 |
| ESKVZ-P 16 | 10112644 | 10112648 | 16 | 4,5 – 10 | 50 | |
| ESKVZ-P 20 | 10112645 | 10112649 | 20 | 6 – 13 | 25 | |
| ESKVZ-P 25 | 10112065 | 10112066 | 25 | 9 – 17 | 20 | |
| ESKVZ-P 32 | 10112646 | 10112650 | 32 | 13 – 21 | 10 | |

Push-In and Go!

Push in, fasten from the outside, ready: no thread or need to open an enclosure. The patented push-in function makes installation quick and easy. It is an excellent option when access to an internal connection option is not possible. The unique design allows the user to install a cable gland without the use of a locknut or threaded entry.



Cable Glands

Cable Entries

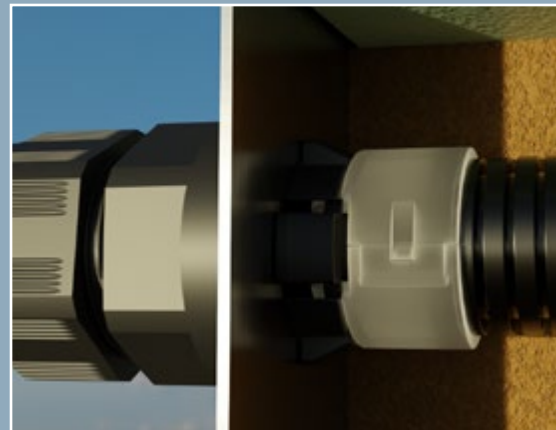
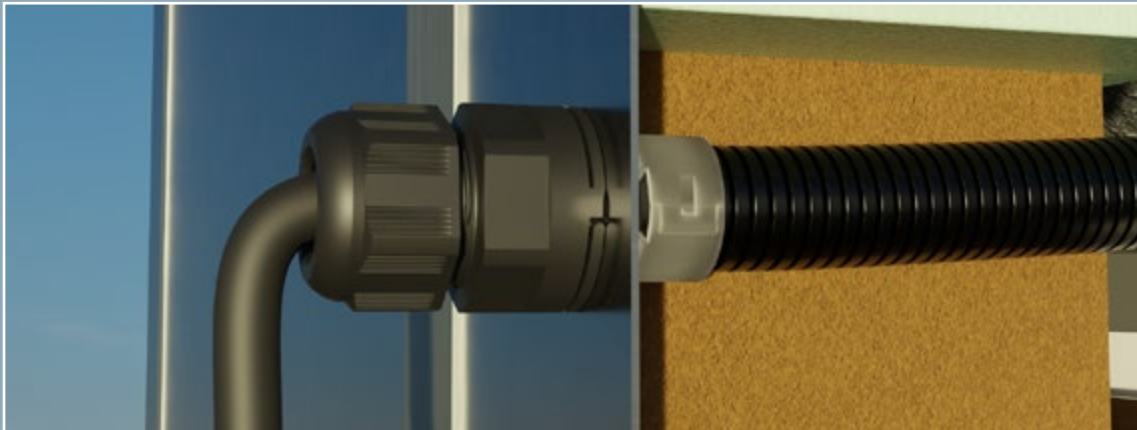
Cable Protection

Junction Boxes

T

Seamless cable management

Designed to **simplify cable management when passing through walls or dividers**. This **innovative product seamlessly transitions from flexible conduit to cable**. The Facade gland streamlines the process, allowing for effectless installation and a professional finish. Whether you are wiring a sensor, camera, lighting or other device the Facade gland delivers unmatched versatility and performance for residential, commercial or industrial applications.



SPRINT® Facade Gland



Protection class IP68 (5 bar 30 min)
Glow wire test 750 °C
Temperature range -40 °C – 100 °C
Material Gasket on cable EPDM, Gasket on housing TPE, polyamide cable gland, Adapter Polypropylen

|  | Type | RAL 9005 | Connection | Ø Cable in mm | PU |
|---|---------------|----------|------------|---------------|----|
| | ESFD 25-17 BK | 10112710 | 25 | 9 - 17 | 5 |

SPRINT® Locknuts



Temperature range -40 °C - 100 °C
Material Polyamide, fibre reinforced

EMUG, metric

| | Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | PU |
|--|---------|----------|----------|----------|----------|-----|
| | EMUG 12 | 10060770 | 10062712 | 10061780 | M 12x1,5 | 100 |
| | EMUG 16 | 10060771 | 10062713 | 10061781 | M 16x1,5 | 100 |
| | EMUG 20 | 10060772 | 10062714 | 10061782 | M 20x1,5 | 100 |
| | EMUG 25 | 10060773 | 10062715 | 10061783 | M 25x1,5 | 100 |
| | EMUG 32 | 10060774 | 10062716 | 10061784 | M 32x1,5 | 100 |
| | EMUG 40 | 10060775 | 10062717 | 10061785 | M 40x1,5 | 50 |
| | EMUG 50 | 10060776 | 10062718 | 10061786 | M 50x1,5 | 25 |
| | EMUG 63 | 10060777 | 10062719 | 10061787 | M 63x1,5 | 10 |
| | EMUG 75 | 10112777 | | 10112778 | M 75x1,5 | 1 |

MUG, PG

| | Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | PU |
|--|----------|----------|----------|----------|---------|-----|
| | MUG 7 | 10060670 | | 10060680 | PG 7 | 100 |
| | MUG 9 | 10060671 | | 10060681 | PG 9 | 100 |
| | MUG 11 | 10060672 | | 10060682 | PG 11 | 100 |
| | MUG 13,5 | 10060673 | | 10060683 | PG 13,5 | 100 |
| | MUG 16 | 10060674 | | 10060684 | PG 16 | 100 |
| | MUG 21 | 10060675 | | 10060685 | PG 21 | 100 |
| | MUG 29 | 10060676 | | 10060686 | PG 29 | 50 |
| | MUG 36 | 10060677 | | 10060687 | PG 36 | 25 |
| | MUG 42 | 10060678 | | 10060688 | PG 42 | 25 |
| | MUG 48 | 10060679 | | 10060689 | PG 48 | 10 |

SPRINT® Locknut flame-retardant, EMUF, metric



Glow wire test 960 °C
Temperature range -40 °C - 100 °C
Material Polyamide UL94-V0

| | Type | RAL 7035 | RAL 9005 | Thread | PU |
|--|---------|----------|----------|----------|-----|
| | EMUF 12 | 10060810 | 10061770 | M 12x1,5 | 100 |
| | EMUF 16 | 10060811 | 10061771 | M 16x1,5 | 100 |
| | EMUF 20 | 10060812 | 10061772 | M 20x1,5 | 100 |
| | EMUF 25 | 10060813 | 10061773 | M 25x1,5 | 100 |
| | EMUF 32 | 10060814 | 10061774 | M 32x1,5 | 100 |
| | EMUF 40 | 10060815 | 10061775 | M 40x1,5 | 50 |
| | EMUF 50 | 10060816 | 10061776 | M 50x1,5 | 25 |
| | EMUF 63 | 10060817 | 10061777 | M 63x1,5 | 10 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

Stop ends



Protection class IP56
Temperature range -40 °C - 100 °C
Material Polyamide, fibre reinforced
Advice: with gasket IP66/68

EVSG, metric

| Type | RAL 7035 | RAL 7001 | RAL 9005 | Thread | PU |
|---------|----------|----------|----------|----------|-----|
| EVSG 12 | 10060624 | 10062514 | 10061830 | M 12x1,5 | 100 |
| EVSG 16 | 10060625 | 10062515 | 10061831 | M 16x1,5 | 100 |
| EVSG 20 | 10060626 | 10062516 | 10061832 | M 20x1,5 | 100 |
| EVSG 25 | 10060627 | 10062517 | 10061833 | M 25x1,5 | 100 |
| EVSG 32 | 10060628 | 10062518 | 10061834 | M 32x1,5 | 100 |
| EVSG 40 | 10060629 | 10062519 | 10061835 | M 40x1,5 | 50 |
| EVSG 50 | 10060630 | 10062520 | 10061836 | M 50x1,5 | 50 |
| EVSG 63 | 10060631 | 10062521 | 10061837 | M 63x1,5 | 25 |

VSG, PG

| | | | | | |
|----------|----------|--|--|---------|-----|
| VSG 7 | 50060728 | | | PG 7 | 100 |
| VSG 9 | 50060729 | | | PG 9 | 100 |
| VSG 11 | 50060730 | | | PG 11 | 100 |
| VSG 13,5 | 50060731 | | | PG 13,5 | 100 |
| VSG 16 | 10060732 | | | PG 16 | 100 |
| VSG 21 | 50060733 | | | PG 21 | 100 |
| VSG 29 | 50060734 | | | PG 29 | 100 |
| VSG 36 | 50060735 | | | PG 36 | 25 |
| VSG 42 | 50060736 | | | PG 42 | 25 |
| VSG 48 | 50060737 | | | PG 48 | 25 |

Elbow 90°, EWI90, metric



Temperature range -40 °C - 100 °C
Material Polyamide


| Type | RAL 7035 | RAL 9005 | Thread | PU |
|----------|----------|----------|----------|----|
| EWI90 12 | 10110774 | 10110782 | M 12x1,5 | 10 |
| EWI90 16 | 10110775 | 10110783 | M 16x1,5 | 10 |
| EWI90 20 | 10110776 | 10110784 | M 20x1,5 | 10 |
| EWI90 25 | 10110777 | 10110785 | M 25x1,5 | 10 |
| EWI90 32 | 10110778 | 10110786 | M 32x1,5 | 5 |
| EWI90 40 | 10110779 | 10110787 | M 40x1,5 | 5 |
| EWI90 50 | 10110780 | 10110788 | M 50x1,5 | 5 |
| EWI90 63 | 10110781 | 10110789 | M 63x1,5 | 5 |

Enlargement adaptors




Temperature range -40 °C - 100 °C
Material Polyamide, fibre reinforced

KEM, metric-metric

|  | Type | RAL 7035 | Thread from | Thread to | PU |
|---|-----------|----------|-------------|-----------|-----|
| | KEM 12/16 | 10063570 | M 12x1,5 | M 16x1,5 | 100 |
| | KEM 16/20 | 10063571 | M 16x1,5 | M 20x1,5 | 100 |
| | KEM 20/25 | 10063572 | M 20x1,5 | M 25x1,5 | 100 |
| | KEM 25/32 | 10063573 | M 25x1,5 | M 32x1,5 | 100 |
| | KEM 32/40 | 10063574 | M 32x1,5 | M 40x1,5 | 50 |
| | KEM 40/50 | 10063575 | M 40x1,5 | M 50x1,5 | 25 |
| | KEM 50/63 | 10063576 | M 50x1,5 | M 63x1,5 | 5 |

KEP, PG-PG

|  | Type | RAL 7035 | Thread from | Thread to | PU |
|--|-------------|----------|-------------|-----------|-----|
| | KEP 7/9 | 10063595 | PG 7 | PG 9 | 100 |
| | KEP 9/11 | 10063596 | PG 9 | PG 11 | 100 |
| | KEP 11/13,5 | 10063597 | PG 11 | PG 13,5 | 100 |
| | KEP 13,5/16 | 10063598 | PG 13,5 | PG 16 | 100 |
| | KEP 16/21 | 10063599 | PG 16 | PG 21 | 50 |
| | KEP 21/29 | 10063600 | PG 21 | PG 29 | 25 |
| | KEP 29/36 | 10063601 | PG 29 | PG 36 | 20 |
| | KEP 36/42 | 10063602 | PG 36 | PG 42 | 10 |
| | KEP 42/48 | 10063603 | PG 42 | PG 48 | 5 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

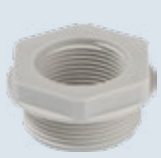
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Reduction adaptors




Temperature range -40 °C - 100 °C
Material Polyamide, fibre reinforced

KRM, metric-metric



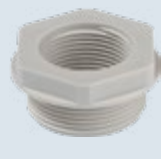
| Type | RAL 7035 | RAL 9005 | Thread from | Thread to | PU |
|-----------|----------|----------|-------------|-----------|-----|
| KRM 16/12 | 10063577 | | M 16x1,5 | M 12x1,5 | 100 |
| KRM 20/12 | 10063578 | | M 20x1,5 | M 12x1,5 | 100 |
| KRM 20/16 | 10063579 | | M 20x1,5 | M 16x1,5 | 100 |
| KRM 25/12 | 10063580 | | M 25x1,5 | M 12x1,5 | 100 |
| KRM 25/16 | 10063581 | | M 25x1,5 | M 16x1,5 | 100 |
| KRM 25/20 | 10063582 | 10063807 | M 25x1,5 | M 20x1,5 | 100 |
| KRM 32/16 | 10063583 | | M 32x1,5 | M 16x1,5 | 50 |
| KRM 32/20 | 10063584 | | M 32x1,5 | M 20x1,5 | 50 |
| KRM 32/25 | 10063585 | | M 32x1,5 | M 25x1,5 | 50 |
| KRM 40/20 | 10063586 | | M 40x1,5 | M 20x1,5 | 25 |
| KRM 40/25 | 10063587 | | M 40x1,5 | M 25x1,5 | 25 |
| KRM 40/32 | 10063588 | | M 40x1,5 | M 32x1,5 | 25 |
| KRM 50/25 | 10063589 | | M 50x1,5 | M 25x1,5 | 5 |
| KRM 50/32 | 10063590 | | M 50x1,5 | M 32x1,5 | 5 |
| KRM 50/40 | 10063591 | | M 50x1,5 | M 40x1,5 | 5 |
| KRM 63/32 | 10063592 | | M 63x1,5 | M 32x1,5 | 5 |
| KRM 63/40 | 10063593 | | M 63x1,5 | M 40x1,5 | 5 |
| KRM 63/50 | 10063594 | | M 63x1,5 | M 50x1,5 | 5 |

KRP, PG-PG



| | | | | | |
|-------------|----------|--|---------|---------|-----|
| KRP 9/7 | 10063604 | | PG 9 | PG 7 | 100 |
| KRP 11/9 | 10063606 | | PG 11 | PG 9 | 100 |
| KRP 13,5/9 | 10063608 | | PG 13,5 | PG 9 | 100 |
| KRP 13,5/11 | 10063609 | | PG 13,5 | PG 11 | 100 |
| KRP16/11 | 10063611 | | PG 16 | PG 11 | 100 |
| KRP 16/13,5 | 10063612 | | PG 16 | PG 13,5 | 100 |

KRP, PG-PG



| | | | | | |
|-------------|----------|--|---------|---------|-----|
| KRP 11/7 | 10063605 | | PG 11 | PG 7 | 100 |
| KRP 13,5/7 | 10063607 | | PG 13,5 | PG 7 | 100 |
| KRP 16/9 | 10063610 | | PG 16 | PG 9 | 100 |
| KRP 21/11 | 10063613 | | PG 21 | PG 11 | 100 |
| KRP 21/13,5 | 10063614 | | PG 21 | PG 13,5 | 100 |
| KRP 21/16 | 10063615 | | PG 21 | PG 16 | 100 |
| KRP 29/13,5 | 10063616 | | PG 29 | PG 13,5 | 50 |
| KRP 29/16 | 10063617 | | PG 29 | PG 16 | 50 |
| KRP 29/21 | 10063618 | | PG 29 | PG 21 | 50 |
| KRP 36/16 | 10063619 | | PG 36 | PG 16 | 25 |
| KRP 36/21 | 10063620 | | PG 36 | PG 21 | 25 |
| KRP 36/29 | 10063621 | | PG 36 | PG 29 | 25 |
| KRP 42/21 | 10063622 | | PG 42 | PG 21 | 5 |
| KRP 42/29 | 10063623 | | PG 42 | PG 29 | 5 |
| KRP 42/36 | 10063624 | | PG 42 | PG 36 | 5 |
| KRP 48/29 | 10063625 | | PG 48 | PG 29 | 5 |
| KRP 48/36 | 10063626 | | PG 48 | PG 36 | 5 |
| KRP 48/42 | 10063627 | | PG 48 | PG 42 | 5 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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The Future of Cable Glands: TriShot™

The TriShot™ gland is more than just a new cable gland. It is the result of our continued drive to push boundaries and possibilities. To be a pioneer and lead the way through 3 core principles: **Innovation, Sustainability and Performance.**



The TriShot™ is the world first **3-shot injection moulded** cable gland. Its considered design has helped reduce material waste, energy consumption, assemble time and streamline the production propose, whilst at the same time ensuring the product performs to the highest standards.


Boosting an impressive 54.5 % reduction in its **Product Carbon Footprint** compared to convential cable glands, TriShot™ has excellent sustainability credentials.



IP68 protection, built-in seal, excellent strain relief, wide clamping range and fast installation time are just some of the features that ensure the **TriShot™ performances under the toughest of circumstances.** All tested by our team of high skilled designers and engineers at our state-of-the-art laboratory facilities in WISKA Germany.

TriShot™, ETKV, metric

Protection class IP68 (1 bar 12 h)
Glow wire test 750 °C
Temperature range -40 °C – 100 °C
Material Gland Polypropylene, Polyamide, Gasket TPE

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|---------------------|----------|----------|----------|---------------|----|
| | TRISHOT ETKV 20 | 10112713 | 10112714 | M 20x1,5 | 6 – 14 | 50 |
| | TRISHOT ETKV 20-SET | 10112715 | 10112716 | M 20x1,5 | 6 – 14 | 50 |




SPRINT® Cable glands, EMSKV, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM

EMSKV

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|----------|-----------|----------|---------------|----|
| | EMSKV 12 | 10065000 | M 12x1,5 | 3 - 7 | 50 |
| | EMSKV 16 | 10065001 | M 16x1,5 | 4,5 - 10 | 50 |
| | EMSKV 20 | 10065002 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKV 25 | 10065003 | M 25x1,5 | 9 - 17 | 50 |
| | EMSKV 32 | 10065004 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKV 40 | 10065005 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKV 50 | 10065006 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKV 63 | 10065007 | M 63x1,5 | 34 - 48 | 10 |
| EMSKV 75 | 10100865 | M 75x1,5 | 48 - 62 | 1 | |


EMSKV-L, long thread

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|------------|-----------|----------|---------------|----|
| | EMSKV-L 12 | 10065008 | M 12x1,5 | 3 - 7 | 50 |
| | EMSKV-L 16 | 10065009 | M 16x1,5 | 4,5 - 10 | 50 |
| | EMSKV-L 20 | 10065010 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKV-L 25 | 10065011 | M 25x1,5 | 9 - 17 | 50 |
| | EMSKV-L 32 | 10065012 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKV-L 40 | 10065013 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKV-L 50 | 10065014 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKV-L 63 | 10065015 | M 63x1,5 | 34 - 48 | 10 |

SPRINT® Cable gland with locknut, EMSKV-SET, metric, EN 62444



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM


|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|--------------|-----------|----------|---------------|----|
| | EMSKV-SET 12 | 10065032 | M 12x1,5 | 3 - 7 | 50 |
| | EMSKV-SET 16 | 10065033 | M 16x1,5 | 4,5 - 10 | 50 |
| | EMSKV-SET 20 | 10065034 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKV-SET 25 | 10065035 | M 25x1,5 | 9 - 17 | 50 |
| | EMSKV-SET 32 | 10065036 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKV-SET 40 | 10065037 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKV-SET 50 | 10065038 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKV-SET 63 | 10065039 | M 63x1,5 | 34 - 48 | 10 |

SPRINT® Cable glands LowTemp, EMSKV LT, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket Silicone

EMSKV LT

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | EMSKV 12 LT | 10065800 | M 12x1,5 | 3 · 7 | 50 |
| | EMSKV 16 LT | 10065801 | M 16x1,5 | 4,5 · 10 | 50 |
| | EMSKV 20 LT | 10065802 | M 20x1,5 | 6 · 13 | 50 |
| | EMSKV 25 LT | 10065803 | M 25x1,5 | 9 · 17 | 50 |
| | EMSKV 32 LT | 10065804 | M 32x1,5 | 13 · 21 | 25 |
| | EMSKV 40 LT | 10065805 | M 40x1,5 | 16 · 28 | 10 |
| | EMSKV 50 LT | 10065806 | M 50x1,5 | 21 · 35 | 10 |
| | EMSKV 63 LT | 10065807 | M 63x1,5 | 34 · 48 | 10 |


EMSKV-L LT, long thread

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|---------------|-----------|----------|---------------|----|
| | EMSKV-L 12 LT | 10065808 | M 12x1,5 | 3 · 7 | 50 |
| | EMSKV-L 16 LT | 10065809 | M 16x1,5 | 4,5 · 10 | 50 |
| | EMSKV-L 20 LT | 10065810 | M 20x1,5 | 6 · 13 | 50 |
| | EMSKV-L 25 LT | 10065811 | M 25x1,5 | 9 · 17 | 50 |
| | EMSKV-L 32 LT | 10065812 | M 32x1,5 | 13 · 21 | 25 |
| | EMSKV-L 40 LT | 10065813 | M 40x1,5 | 16 · 28 | 10 |
| | EMSKV-L 50 LT | 10065814 | M 50x1,5 | 21 · 35 | 10 |
| | EMSKV-L 63 LT | 10065815 | M 63x1,5 | 34 · 48 | 10 |

SPRINT® Cable gland, NMSKV, NPT



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C · 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM


|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|------------|---------------|----|
| | NMSKV 1/4 | 10065480 | NPT 1/4" | 3 · 7 | 50 |
| | NMSKV 3/8 | 10065481 | NPT 3/8" | 4,5 · 10 | 50 |
| | NMSKV 1/2 | 10065482 | NPT 1/2" | 6 · 13 | 50 |
| | NMSKV 3/4 | 10065483 | NPT 3/4" | 9 · 17 | 50 |
| | NMSKV 1 | 10065484 | NPT 1" | 13 · 21 | 25 |
| | NMSKV 1 1/4 | 10065485 | NPT 1 1/4" | 16 · 28 | 10 |
| | NMSKV 1 1/2 | 10065486 | NPT 1 1/2" | 21 · 35 | 10 |
| | NMSKV 2 | 10065487 | NPT 2" | 34 · 48 | 10 |

SPRINT® Cable glands with bend protection, EMSKVS, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C · 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM

EMSKVS

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-----------|-----------|----------|---------------|----|
| | EMSKVS 16 | 10065831 | M 16x1,5 | 4,5 · 10 | 50 |
| | EMSKVS 20 | 10065832 | M 20x1,5 | 6 · 13 | 50 |
| | EMSKVS 25 | 10065833 | M 25x1,5 | 9 · 17 | 25 |
| | EMSKVS 32 | 10065834 | M 32x1,5 | 13 · 21 | 25 |
| | EMSKVS 40 | 10065835 | M 40x1,5 | 16 · 28 | 10 |
| | EMSKVS 50 | 10065836 | M 50x1,5 | 21 · 35 | 10 |
| | EMSKVS 63 | 10065837 | M 63x1,5 | 34 · 48 | 10 |

EMSKVS-L, long thread

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | EMSKVS-L 16 | 10065851 | M 16x1,5 | 4,5 · 10 | 50 |
| | EMSKVS-L 20 | 10065852 | M 20x1,5 | 6 · 13 | 50 |
| | EMSKVS-L 25 | 10065853 | M 25x1,5 | 9 · 17 | 25 |
| | EMSKVS-L 32 | 10065854 | M 32x1,5 | 13 · 21 | 25 |
| | EMSKVS-L 40 | 10065855 | M 40x1,5 | 16 · 28 | 10 |
| | EMSKVS-L 50 | 10065856 | M 50x1,5 | 21 · 35 | 10 |
| EMSKVS-L 63 | 10065857 | M 63x1,5 | 34 · 48 | 10 | |

Cable Glands

Cable Entries

Cable Protection


Junction Boxes

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SPRINT® Cable glands with external strain relief,
 EMSKVZ, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM

EMSKVZ


|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-----------|-----------|----------|---------------|----|
| | EMSKVZ 16 | 10065351 | M 16x1,5 | 4,5 - 10 | 25 |
| | EMSKVZ 20 | 10065352 | M 20x1,5 | 6 - 13 | 25 |
| | EMSKVZ 25 | 10065353 | M 25x1,5 | 9 - 17 | 25 |
| | EMSKVZ 32 | 10065354 | M 32x1,5 | 13 - 21 | 10 |
| | EMSKVZ 40 | 10065355 | M 40x1,5 | 16 - 28 | 5 |
| | EMSKVZ 50 | 10065356 | M 50x1,5 | 21 - 35 | 5 |
| | EMSKVZ 63 | 10065357 | M 63x1,5 | 34 - 48 | 5 |

EMSKVZ-L, long thread

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | EMSKVZ-L 16 | 10065860 | M 16x1,5 | 4,5 - 10 | 25 |
| | EMSKVZ-L 20 | 10065861 | M 20x1,5 | 6 - 13 | 25 |
| | EMSKVZ-L 25 | 10065862 | M 25x1,5 | 9 - 17 | 25 |
| | EMSKVZ-L 32 | 10065863 | M 32x1,5 | 13 - 21 | 10 |
| | EMSKVZ-L 40 | 10065864 | M 40x1,5 | 16 - 28 | 5 |
| | EMSKVZ-L 50 | 10065865 | M 50x1,5 | 21 - 35 | 5 |
| | EMSKVZ-L 63 | 10065866 | M 63x1,5 | 34 - 48 | 5 |

Cable gland, MSKV, PG

Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket TPV

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-----------|-----------|---------|---------------|----|
| | MSKV 7 | 10062281 | PG 7 | 3 - 6,5 | 50 |
| | MSKV 9 | 10062282 | PG 9 | 4 - 8 | 50 |
| | MSKV 11 | 10062283 | PG 11 | 5 - 10 | 50 |
| | MSKV 13,5 | 10062284 | PG 13,5 | 6 - 12 | 50 |
| | MSKV 16 | 10062285 | PG 16 | 10 - 14 | 50 |
| | MSKV 21 | 10062286 | PG 21 | 13 - 18 | 50 |
| | MSKV 29 | 10062287 | PG 29 | 18 - 25 | 25 |
| | MSKV 36 | 10062288 | PG 36 | 22 - 32 | 10 |
| | MSKV 42 | 10062289 | PG 42 | 30 - 38 | 10 |
| | MSKV 48 | 10062290 | PG 48 | 34 - 44 | 10 |

ShotGLAND Compression cable gland,
 EMCGV, metric, EN 62444


Protection class IP68 (5 bar 30 min)
Temperature range -40 °C - 120 °C
Material Gland Brass nickel-plated, Gasket EPDM



| Type | Order No. | Thread | Ø Cable in mm | PU |
|--------------|-----------|----------|---------------|----|
| EMCGV 8-030 | 10106389 | M 8x1,25 | 2 - 3,3 | 50 |
| EMCGV 8-040 | 10106390 | M 8x1,25 | 3 - 4,3 | 50 |
| EMCGV 8-050 | 10106391 | M 8x1,25 | 4 - 5,3 | 50 |
| EMCGV 12-030 | 10106392 | M 12x1,5 | 2 - 3 | 50 |
| EMCGV 12-050 | 10106393 | M 12x1,5 | 3 - 5 | 50 |
| EMCGV 12-070 | 10106394 | M 12x1,5 | 5 - 7 | 50 |
| EMCGV 12-090 | 10106395 | M 12x1,5 | 7 - 9 | 50 |
| EMCGV 16-040 | 10106396 | M 16x1,5 | 2 - 4 | 50 |
| EMCGV 16-060 | 10106397 | M 16x1,5 | 4 - 6 | 50 |
| EMCGV 16-080 | 10106398 | M 16x1,5 | 6 - 8 | 50 |
| EMCGV 16-100 | 10106399 | M 16x1,5 | 8 - 10 | 50 |
| EMCGV 16-120 | 10106400 | M 16x1,5 | 10 - 12 | 50 |
| EMCGV 20-060 | 10106401 | M 20x1,5 | 4 - 6 | 50 |
| EMCGV 20-080 | 10106402 | M 20x1,5 | 6 - 8 | 50 |
| EMCGV 20-100 | 10106403 | M 20x1,5 | 8 - 10 | 50 |
| EMCGV 20-120 | 10106404 | M 20x1,5 | 10 - 12 | 50 |
| EMCGV 20-140 | 10106405 | M 20x1,5 | 12 - 14 | 50 |
| EMCGV 20-160 | 10106406 | M 20x1,5 | 14 - 16 | 50 |
| EMCGV 25-080 | 10106407 | M 25x1,5 | 6 - 8 | 50 |
| EMCGV 25-100 | 10106408 | M 25x1,5 | 8 - 10 | 50 |
| EMCGV 25-120 | 10106409 | M 25x1,5 | 10 - 12 | 50 |
| EMCGV 25-140 | 10106410 | M 25x1,5 | 12 - 14 | 50 |
| EMCGV 25-160 | 10106411 | M 25x1,5 | 14 - 16 | 50 |
| EMCGV 25-170 | 10106412 | M 25x1,5 | 15 - 17 | 50 |
| EMCGV 32-110 | 10106413 | M 32x1,5 | 9 - 11 | 25 |
| EMCGV 32-130 | 10106414 | M 32x1,5 | 11 - 13 | 25 |
| EMCGV 32-150 | 10106415 | M 32x1,5 | 13 - 15 | 25 |
| EMCGV 32-180 | 10106416 | M 32x1,5 | 16 - 18 | 25 |
| EMCGV 32-200 | 10106417 | M 32x1,5 | 18 - 20 | 25 |
| EMCGV 32-230 | 10106419 | M 32x1,5 | 21 - 23 | 25 |
| EMCGV 40-180 | 10106420 | M 40x1,5 | 16 - 18 | 10 |
| EMCGV 40-200 | 10106421 | M 40x1,5 | 18 - 20 | 10 |
| EMCGV 40-220 | 10106422 | M 40x1,5 | 20 - 22 | 10 |
| EMCGV 40-240 | 10106423 | M 40x1,5 | 22 - 24 | 10 |
| EMCGV 40-260 | 10106424 | M 40x1,5 | 24 - 26 | 10 |
| EMCGV 40-290 | 10106425 | M 40x1,5 | 26 - 29 | 10 |
| EMCGV 50-280 | 10106426 | M 50x1,5 | 26 - 28 | 10 |
| EMCGV 50-300 | 10106427 | M 50x1,5 | 28 - 30 | 10 |
| EMCGV 50-320 | 10106428 | M 50x1,5 | 30 - 32 | 10 |
| EMCGV 50-340 | 10106429 | M 50x1,5 | 32 - 34 | 10 |
| EMCGV 50-360 | 10106430 | M 50x1,5 | 34 - 36 | 10 |
| EMCGV 50-380 | 10106431 | M 50x1,5 | 36 - 38 | 10 |
| EMCGV 63-350 | 10106432 | M 63x1,5 | 33 - 35 | 10 |
| EMCGV 63-380 | 10106433 | M 63x1,5 | 35 - 38 | 10 |
| EMCGV 63-410 | 10106434 | M 63x1,5 | 38 - 41 | 10 |
| EMCGV 63-440 | 10106435 | M 63x1,5 | 41 - 44 | 10 |
| EMCGV 63-470 | 10106436 | M 63x1,5 | 44 - 47 | 10 |
| EMCGV 63-490 | 10106437 | M 63x1,5 | 47 - 49 | 10 |

ShotGland Compression cable gland LowTemp, EMCGV LT, metric, EN 62444



Protection class IP68 (5 bar 30 min)
Temperature range -60 °C · 180 °C
Material Gland Brass nickel-plated, Gasket Silicone



| Type | Order No. | Thread | Ø Cable in mm | PU |
|-----------------|-----------|----------|---------------|----|
| EMCGV 8-030 LT | 10106492 | M 8x1,25 | 2 · 3,3 | 50 |
| EMCGV 8-040 LT | 10106493 | M 8x1,25 | 3 · 4,3 | 50 |
| EMCGV 8-050 LT | 10106494 | M 8x1,25 | 4 · 5,3 | 50 |
| EMCGV 12-030 LT | 10106495 | M 12x1,5 | 2 · 3 | 50 |
| EMCGV 12-050 LT | 10106496 | M 12x1,5 | 3 · 5 | 50 |
| EMCGV 12-070 LT | 10106497 | M 12x1,5 | 5 · 7 | 50 |
| EMCGV 12-090 LT | 10106498 | M 12x1,5 | 7 · 9 | 50 |
| EMCGV 16-040 LT | 10106499 | M 16x1,5 | 2 · 4 | 50 |
| EMCGV 16-060 LT | 10106500 | M 16x1,5 | 4 · 6 | 50 |
| EMCGV 16-080 LT | 10106501 | M 16x1,5 | 6 · 8 | 50 |
| EMCGV 16-100 LT | 10106502 | M 16x1,5 | 8 · 10 | 50 |
| EMCGV 16-120 LT | 10106503 | M 16x1,5 | 10 · 12 | 50 |
| EMCGV 20-060 LT | 10106504 | M 20x1,5 | 4 · 6 | 50 |
| EMCGV 20-080 LT | 10106505 | M 20x1,5 | 6 · 8 | 50 |
| EMCGV 20-100 LT | 10106506 | M 20x1,5 | 8 · 10 | 50 |
| EMCGV 20-120 LT | 10106507 | M 20x1,5 | 10 · 12 | 50 |
| EMCGV 20-140 LT | 10106508 | M 20x1,5 | 12 · 14 | 50 |
| EMCGV 20-160 LT | 10106509 | M 20x1,5 | 14 · 16 | 50 |
| EMCGV 25-080 LT | 10106510 | M 25x1,5 | 6 · 8 | 50 |
| EMCGV 25-100 LT | 10106511 | M 25x1,5 | 8 · 10 | 50 |
| EMCGV 25-120 LT | 10106512 | M 25x1,5 | 10 · 12 | 50 |
| EMCGV 25-140 LT | 10106513 | M 25x1,5 | 12 · 14 | 50 |
| EMCGV 25-160 LT | 10106514 | M 25x1,5 | 14 · 16 | 50 |
| EMCGV 25-170 LT | 10106515 | M 25x1,5 | 15 · 17 | 50 |
| EMCGV 32-110 LT | 10106516 | M 32x1,5 | 9 · 11 | 25 |
| EMCGV 32-130 LT | 10106517 | M 32x1,5 | 11 · 13 | 25 |
| EMCGV 32-150 LT | 10106518 | M 32x1,5 | 13 · 15 | 25 |
| EMCGV 32-180 LT | 10106519 | M 32x1,5 | 16 · 18 | 25 |
| EMCGV 32-200 LT | 10106520 | M 32x1,5 | 18 · 20 | 25 |
| EMCGV 32-230 LT | 10106522 | M 32x1,5 | 21 · 23 | 25 |
| EMCGV 40-180 LT | 10106523 | M 40x1,5 | 16 · 18 | 10 |
| EMCGV 40-200 LT | 10106524 | M 40x1,5 | 18 · 20 | 10 |
| EMCGV 40-220 LT | 10106525 | M 40x1,5 | 20 · 22 | 10 |
| EMCGV 40-240 LT | 10106526 | M 40x1,5 | 22 · 24 | 10 |
| EMCGV 40-260 LT | 10106527 | M 40x1,5 | 24 · 26 | 10 |
| EMCGV 40-290 LT | 10106528 | M 40x1,5 | 26 · 29 | 10 |
| EMCGV 50-280 LT | 10106529 | M 50x1,5 | 26 · 28 | 10 |
| EMCGV 50-300 LT | 10106530 | M 50x1,5 | 28 · 30 | 10 |
| EMCGV 50-320 LT | 10106589 | M 50x1,5 | 30 · 32 | 10 |
| EMCGV 50-340 LT | 10106531 | M 50x1,5 | 32 · 34 | 10 |
| EMCGV 50-360 LT | 10106532 | M 50x1,5 | 34 · 36 | 10 |
| EMCGV 50-380 LT | 10106533 | M 50x1,5 | 36 · 38 | 10 |
| EMCGV 63-350 LT | 10106534 | M 63x1,5 | 33 · 35 | 10 |
| EMCGV 63-380 LT | 10106535 | M 63x1,5 | 35 · 38 | 10 |
| EMCGV 63-410 LT | 10106536 | M 63x1,5 | 38 · 41 | 10 |
| EMCGV 63-440 LT | 10106537 | M 63x1,5 | 41 · 44 | 10 |
| EMCGV 63-470 LT | 10106538 | M 63x1,5 | 44 · 47 | 10 |
| EMCGV 63-490 LT | 10106539 | M 63x1,5 | 47 · 49 | 10 |

Cable Glands

Cable Entries


Cable Protection

Junction Boxes


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Material Brass nickel-plated

EMMU, metric

|  | Type | Order No. | Thread | PU |
|---|----------|-----------|----------|-----|
| | EMMU 8 | 10106828 | M 8x1,25 | 100 |
| | EMMU 12 | 10063141 | M 12x1,5 | 100 |
| | EMMU 16 | 10063142 | M 16x1,5 | 100 |
| | EMMU 20 | 10063143 | M 20x1,5 | 100 |
| | EMMU 25 | 10063144 | M 25x1,5 | 100 |
| | EMMU 32 | 10063145 | M 32x1,5 | 100 |
| | EMMU 40 | 10063146 | M 40x1,5 | 50 |
| | EMMU 50 | 10063147 | M 50x1,5 | 50 |
| | EMMU 63 | 10063148 | M 63x1,5 | 50 |
| EMMU 75 | 10101777 | M 75x1,5 | 1 | |

MMU, PG

|  | Type | Order No. | Thread | PU |
|--|----------|-----------|---------|-----|
| | MMU 7 | 10062141 | PG 7 | 100 |
| | MMU 9 | 10062142 | PG 9 | 100 |
| | MMU 11 | 10062143 | PG 11 | 100 |
| | MMU 13,5 | 10062144 | PG 13,5 | 100 |
| | MMU 16 | 10062145 | PG 16 | 100 |
| | MMU 21 | 10062146 | PG 21 | 100 |
| | MMU 29 | 10062147 | PG 29 | 100 |
| | MMU 36 | 10062148 | PG 36 | 100 |
| | MMU 42 | 10062149 | PG 42 | 50 |
| MMU 48 | 10062150 | PG 48 | 50 | |

NMMU, NPT


|  | Type | Order No. | Thread | PU |
|---|------------|-----------|------------|-----|
| | NMMU 1/4 | 10100972 | NPT 1/4" | 100 |
| | NMMU 3/8 | 10100973 | NPT 3/8" | 100 |
| | NMMU 1/2 | 10100974 | NPT 1/2" | 100 |
| | NMMU 3/4 | 10100975 | NPT 3/4" | 100 |
| | NMMU 1 | 10100976 | NPT 1" | 100 |
| | NMMU 1 1/4 | 10100977 | NPT 1 1/4" | 50 |
| | NMMU 1 1/2 | 10100978 | NPT 1 1/2" | 50 |
| | NMMU 2 | 10100979 | NPT 2" | 50 |

Stop ends




Protection class IP54
Advice With O-ring IP66 / IP68
Material Brass nickel-plated


EMVS, metric

|  | Type | Order No. | Thread | PU |
|---|---------|-----------|----------|-----|
| | EMVS 12 | 10063151 | M 12x1,5 | 100 |
| | EMVS 16 | 10063152 | M 16x1,5 | 100 |
| | EMVS 20 | 10063153 | M 20x1,5 | 100 |
| | EMVS 25 | 10063154 | M 25x1,5 | 100 |
| | EMVS 32 | 10063155 | M 32x1,5 | 50 |
| | EMVS 40 | 10063156 | M 40x1,5 | 50 |
| | EMVS 50 | 10063157 | M 50x1,5 | 25 |
| | EMVS 63 | 10063158 | M 63x1,5 | 10 |


EMVS-L, long thread, metric

|  | Type | Order No. | Thread | PU |
|--|-----------|-----------|----------|-----|
| | EMVS-L 12 | 10065072 | M 12x1,5 | 100 |
| | EMVS-L 16 | 10065073 | M 16x1,5 | 100 |
| | EMVS-L 20 | 10065074 | M 20x1,5 | 100 |
| | EMVS-L 25 | 10065075 | M 25x1,5 | 100 |
| | EMVS-L 32 | 10065076 | M 32x1,5 | 50 |
| | EMVS-L 40 | 10065077 | M 40x1,5 | 50 |
| | EMVS-L 50 | 10065078 | M 50x1,5 | 25 |
| | EMVS-L 63 | 10065079 | M 63x1,5 | 10 |

EMVS-ORD, with mounted O-ring seal, metric

|  | Type | Order No. | Thread | PU |
|---|-------------|-----------|----------|-----|
| | EMVS-ORD 12 | 10065080 | M 12x1,5 | 100 |
| | EMVS-ORD 16 | 10065081 | M 16x1,5 | 100 |
| | EMVS-ORD 20 | 10065082 | M 20x1,5 | 100 |
| | EMVS-ORD 25 | 10065083 | M 25x1,5 | 100 |
| | EMVS-ORD 32 | 10065084 | M 32x1,5 | 50 |
| | EMVS-ORD 40 | 10065085 | M 40x1,5 | 50 |
| | EMVS-ORD 50 | 10065086 | M 50x1,5 | 25 |
| | EMVS-ORD 63 | 10065087 | M 63x1,5 | 10 |

MVS, PG

|  | Type | Order No. | Thread | PU |
|---|----------|-----------|---------|-----|
| | MVS 7 | 10062151 | PG 7 | 100 |
| | MVS 9 | 10062152 | PG 9 | 100 |
| | MVS 11 | 10062153 | PG 11 | 100 |
| | MVS 13,5 | 10062154 | PG 13,5 | 100 |
| | MVS 16 | 10062155 | PG 16 | 100 |
| | MVS 21 | 10062156 | PG 21 | 100 |
| | MVS 29 | 10062157 | PG 29 | 50 |
| | MVS 36 | 10062158 | PG 36 | 50 |
| | MVS 42 | 10062159 | PG 42 | 25 |
| MVS 48 | 10062160 | PG 48 | 25 | |

Cable Glands

Cable Entries

Cable Protection


Junction Boxes

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Enlargement adaptor, MEM, metric-metric




Material Brass nickel-plated

|  | Type | Order No. | Thread from | Thread to | PU |
|---|-----------|-----------|-------------|-----------|-----|
| | MEM 12/16 | 10063953 | M 12x1,5 | M 16x1,5 | 100 |
| | MEM 16/20 | 10063954 | M 16x1,5 | M 20x1,5 | 100 |
| | MEM 20/25 | 10063955 | M 20x1,5 | M 25x1,5 | 50 |
| | MEM 25/32 | 10063956 | M 25x1,5 | M 32x1,5 | 50 |
| | MEM 32/40 | 10063957 | M 32x1,5 | M 40x1,5 | 50 |
| | MEM 40/50 | 10063958 | M 40x1,5 | M 50x1,5 | 25 |
| | MEM 50/63 | 10063959 | M 50x1,5 | M 63x1,5 | 10 |

Reduction adaptor, MRM, metric-metric



Material Brass nickel-plated


|  | Type | Order No. | Thread from | Thread to | PU |
|---|-----------|-----------|-------------|-----------|-----|
| | MRM 16/12 | 10063940 | M 16x1,5 | M 12x1,5 | 100 |
| | MRM 20/12 | 10063941 | M 20x1,5 | M 12x1,5 | 100 |
| | MRM 20/16 | 10063942 | M 20x1,5 | M 16x1,5 | 100 |
| | MRM 25/16 | 10063943 | M 25x1,5 | M 16x1,5 | 50 |
| | MRM 25/20 | 10063944 | M 25x1,5 | M 20x1,5 | 100 |
| | MRM 32/20 | 10063945 | M 32x1,5 | M 20x1,5 | 25 |
| | MRM 32/25 | 10063946 | M 32x1,5 | M 25x1,5 | 50 |
| | MRM 40/25 | 10063947 | M 40x1,5 | M 25x1,5 | 25 |
| | MRM 40/32 | 10063948 | M 40x1,5 | M 32x1,5 | 25 |
| | MRM 50/32 | 10063949 | M 50x1,5 | M 32x1,5 | 10 |
| | MRM 50/40 | 10063950 | M 50x1,5 | M 40x1,5 | 25 |
| | MRM 63/40 | 10063951 | M 63x1,5 | M 40x1,5 | 10 |
| | MRM 63/50 | 10063952 | M 63x1,5 | M 50x1,5 | 10 |

HatGLAND Cable glands, HGSM Pack, metric




Protection class IP68 (5 bar 30 min) / IP69
Advice Incl. sealing ring, locknut
Material Gland Stainless steel A2 (1.4305), Gasket EPDM


HGSM, -40 °C - 120 °C, Gasket EPDM

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|----------------|-----------|-----------|---------------|----|
| | HGSM 12-E Pack | 10101853 | M 12x0,75 | 2 - 5 | 1 |
| | HGSM 16-E Pack | 10101854 | M 16x0,75 | 2 - 9 | 1 |
| | HGSM 20-E Pack | 10101855 | M 20x0,75 | 3 - 12 | 1 |
| | HGSM 25-E Pack | 10101856 | M 25x0,75 | 4 - 16 | 1 |
| | HGSM 32-E Pack | 10101857 | M 32x0,75 | 9 - 23 | 1 |
| | HGSM 40-E Pack | 10101858 | M 40x1,5 | 16 - 29 | 1 |
| | HGSM 50-E Pack | 10101859 | M 50x1,5 | 26 - 38 | 1 |
| | HGSM 63-E Pack | 10101860 | M 63x1,5 | 32 - 49 | 1 |

HGSM FD, Food, -60 °C - 180 °C, Gasket Silicone FDA approved

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|-----------------|-----------|-----------|---------------|----|
| | HGSM 12 FD Pack | 10103623 | M 12x0,75 | 2 - 5 | 1 |
| | HGSM 16 FD Pack | 10103624 | M 16x0,75 | 2 - 9 | 1 |
| | HGSM 20 FD Pack | 10103625 | M 20x0,75 | 3 - 12 | 1 |
| | HGSM 25 FD Pack | 10103626 | M 25x0,75 | 4 - 16 | 1 |
| | HGSM 32 FD Pack | 10103627 | M 32x0,75 | 9 - 23 | 1 |
| | HGSM 40 FD Pack | 10103628 | M 40x1,5 | 16 - 29 | 1 |
| | HGSM 50 FD Pack | 10103629 | M 50x1,5 | 26 - 38 | 1 |
| | HGSM 63 FD Pack | 10103630 | M 63x1,5 | 32 - 49 | 1 |

HGSM LT, LowTemp, -60 °C - 180 °C, Gasket Silicone

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-----------------|-----------|-----------|---------------|----|
| | HGSM 12-LT Pack | 10102116 | M 12x0,75 | 2 - 5 | 1 |
| | HGSM 16-LT Pack | 10102117 | M 16x0,75 | 2 - 9 | 1 |
| | HGSM 20-LT Pack | 10102118 | M 20x0,75 | 3 - 12 | 1 |
| | HGSM 25-LT Pack | 10102119 | M 25x0,75 | 4 - 16 | 1 |
| | HGSM 32-LT Pack | 10102120 | M 32x0,75 | 9 - 23 | 1 |
| | HGSM 40-LT Pack | 10102121 | M 40x1,5 | 16 - 29 | 1 |
| | HGSM 50-LT Pack | 10102122 | M 50x1,5 | 26 - 38 | 1 |
| | HGSM 63-LT Pack | 10102123 | M 63x1,5 | 32 - 49 | 1 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes


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SPRINT® Cable glands, ESSKV, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Stainless steel, Gasket EPDM, Clamping cage Polyamide

ESSKV, stainless steel 1.4305

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|----------|-----------|----------|---------------|----|
| | ESSKV 12 | 10069000 | M 12x1,5 | 3 - 7 | 10 |
| | ESSKV 16 | 10069001 | M 16x1,5 | 4,5 - 10 | 10 |
| | ESSKV 20 | 10069002 | M 20x1,5 | 6 - 13 | 10 |
| | ESSKV 25 | 10069003 | M 25x1,5 | 9 - 17 | 10 |
| | ESSKV 32 | 10069004 | M 32x1,5 | 13 - 21 | 5 |
| | ESSKV 40 | 10069005 | M 40x1,5 | 16 - 28 | 5 |
| | ESSKV 50 | 10069006 | M 50x1,5 | 21 - 35 | 2 |
| | ESSKV 63 | 10069007 | M 63x1,5 | 34 - 48 | 1 |

ESSKV-4, stainless steel 1.4404


|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|------------|-----------|----------|---------------|----|
| | ESSKV-4 12 | 10069100 | M 12x1,5 | 3 - 7 | 10 |
| | ESSKV-4 16 | 10069101 | M 16x1,5 | 4,5 - 10 | 10 |
| | ESSKV-4 20 | 10069102 | M 20x1,5 | 6 - 13 | 10 |
| | ESSKV-4 25 | 10069103 | M 25x1,5 | 9 - 17 | 10 |
| | ESSKV-4 32 | 10069104 | M 32x1,5 | 13 - 21 | 5 |
| | ESSKV-4 40 | 10069105 | M 40x1,5 | 16 - 28 | 5 |
| | ESSKV-4 50 | 10069106 | M 50x1,5 | 21 - 35 | 2 |
| | ESSKV-4 63 | 10069107 | M 63x1,5 | 34 - 48 | 1 |

SPRINT® Cable glands LowTemp, ESSKV LT, metric, EN 62444




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Material Gland Stainless steel, Gasket Silicone, Clamping cage Polyamide

ESSKV LT, stainless steel 1.4305

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | ESSKV 12 LT | 10065962 | M 12x1,5 | 3 - 7 | 10 |
| | ESSKV 16 LT | 10065963 | M 16x1,5 | 4,5 - 10 | 10 |
| | ESSKV 20 LT | 10065964 | M 20x1,5 | 6 - 13 | 10 |
| | ESSKV 25 LT | 10065965 | M 25x1,5 | 9 - 17 | 10 |
| | ESSKV 32 LT | 10065966 | M 32x1,5 | 13 - 21 | 5 |
| | ESSKV 40 LT | 10065967 | M 40x1,5 | 16 - 28 | 5 |
| | ESSKV 50 LT | 10065968 | M 50x1,5 | 21 - 35 | 2 |
| | ESSKV 63 LT | 10065969 | M 63x1,5 | 34 - 48 | 1 |


ESSKV-4 LT, stainless steel 1.4404

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|---------------|-----------|----------|---------------|----|
| | ESSKV-4 12 LT | 10065881 | M 12x1,5 | 3 - 7 | 10 |
| | ESSKV-4 16 LT | 10065882 | M 16x1,5 | 4,5 - 10 | 10 |
| | ESSKV-4 20 LT | 10065883 | M 20x1,5 | 6 - 13 | 10 |
| | ESSKV-4 25 LT | 10065884 | M 25x1,5 | 9 - 17 | 10 |
| | ESSKV-4 32 LT | 10065885 | M 32x1,5 | 13 - 21 | 5 |
| | ESSKV-4 40 LT | 10065886 | M 40x1,5 | 16 - 28 | 5 |
| | ESSKV-4 50 LT | 10065887 | M 50x1,5 | 21 - 35 | 2 |
| | ESSKV-4 63 LT | 10065888 | M 63x1,5 | 34 - 48 | 1 |

Locknut, ESMU, metric




Material Stainless steel 1.4305

|  | Type | Order No. | Thread | PU |
|---|----------|-----------|----------|----|
| | ESMU 12 | 10064188 | M 12x1,5 | 10 |
| ESMU 16 | 10064189 | M 16x1,5 | 10 | |
| ESMU 20 | 10064190 | M 20x1,5 | 10 | |
| ESMU 25 | 10064191 | M 25x1,5 | 10 | |
| ESMU 32 | 10064192 | M 32x1,5 | 5 | |
| ESMU 40 | 10064193 | M 40x1,5 | 5 | |
| ESMU 50 | 10064194 | M 50x1,5 | 2 | |
| ESMU 63 | 10064195 | M 63x1,5 | 1 | |

Stop end, ESVS, metric



Protection class IP54
Advice With O-ring IP66 / IP68
Material Stainless steel 1.4305

|  | Type | Order No. | Thread | PU |
|---|----------|-----------|----------|----|
| | ESVS 12 | 10065460 | M 12x1,5 | 10 |
| ESVS 16 | 10065461 | M 16x1,5 | 10 | |
| ESVS 20 | 10065462 | M 20x1,5 | 10 | |
| ESVS 25 | 10065463 | M 25x1,5 | 10 | |
| ESVS 32 | 10065464 | M 32x1,5 | 5 | |
| ESVS 40 | 10065465 | M 40x1,5 | 5 | |
| ESVS 50 | 10065466 | M 50x1,5 | 2 | |
| ESVS 63 | 10065467 | M 63x1,5 | 1 | |

MARATHON® Cable gland, EZMGV-L, metric



Protection class IP 66 / 68 (1 bar 12 h)
Temperature range -40 °C - 80 °C
Material Gland zinc, Gasket EPDM, Clamping cage Polyamide / TPE

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|------------|-----------|----------|---------------|----|
| | EZMGV-L 20 | 10108742 | M 20x1,5 | 6 - 13 | 50 |

Our Venting products

We launched the VentGLAND® in 2007, the world's first cable gland with pressure equalisation. VentGLAND® cable glands and VentPLUG pressure equalisation units are nowadays being used around the world, especially in sectors that are moisture and temperature sensitive such as shipping, and the lighting and solar industries.

VentGLAND®

This gland combines pressure equalisation and cable gland in a single unit and features high air flow rates as well as high water protection capacity.



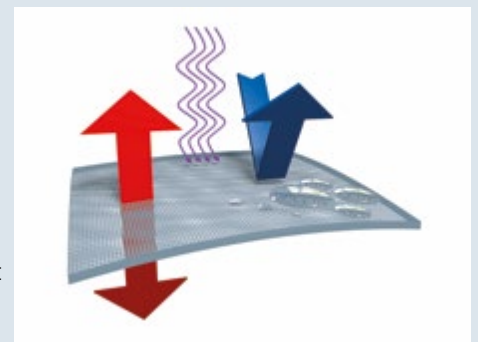
VentPLUG

This plug is used when a cable gland with an additional pressure equalisation unit or a solution without any cable entry is required to vent the enclosure.

VENTING
by WISKA

The venting membrane

The high performance ePTFE membrane used in our venting products has billions of breathable pores to enable an effective air exchange between the interior and exterior. The micrometer pores also prevent liquids, dirt and contaminants from passing through the membrane and entering the enclosure. The membrane is available with different air flow rates. All of them offer all the properties required for the roughest environmental conditions: They are resistant against UV, salt water, oils and grease. Chemicals and aggressive cleaning substances also have no effect on the membrane's structure and performance.





Our products at a glance

Polyamide VentGLAND® (Page 36)



Polyamide VentPLUG (Page 38)



Brass VentGLAND® (Page 36 - 37)



Brass VentPLUG (Page 39)



Stainless steel VentGLAND® (Page 37)



Brass DrainPLUG (Page 39)




Explore more...




VentGLAND® Cable gland SPRINT®,
 ESGV, polyamide, metric, EN 62444


Protection class IP68 / IP69
Glow wire test 750 °C
Temperature range -40 °C - 100 °C
Material Gland Polyamide, Gasket EPDM, Membrane ePTFE

|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | Air flow at 70mbar l/h | PU |
|---|----------|----------|----------|----------|---------------|------------------------|----|
| | ESVG 16 | 10104412 | 10104413 | M 16x1,5 | 4,5 - 10 | 52 | 1 |
| ESVG 20 | 10060974 | 10060802 | M 20x1,5 | 6 - 13 | 42 | 1 | |
| ESVG 25 | 10100666 | 10100667 | M 25x1,5 | 9 - 17 | 65 | 1 | |
| ESVG 32 | 10100801 | 10100802 | M 32x1,5 | 13 - 21 | 115 | 1 | |
| ESVG 40 | 10102471 | 10102472 | M 40x1,5 | 16 - 28 | 150 | 1 | |

VentGLAND® Cable gland SPRINT®,
 EMSVG, brass nickel-plated, metric, EN 62444



Protection class IP68 / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Gasket EPDM, Clamping cage Polyamide, Membrane ePTFE

|  | Type | Order No. | Thread | Ø Cable in mm | Air flow at 70mbar l/h | PU |
|---|----------|-----------|----------|---------------|------------------------|----|
| | EMSVG 16 | 10065899 | M 16x1,5 | 4,5 - 10 | 52 | 1 |
| EMSVG 20 | 10065900 | M 20x1,5 | 6 - 13 | 55 | 1 | |
| EMSVG 25 | 10065901 | M 25x1,5 | 9 - 17 | 90 | 1 | |
| EMSVG 32 | 10065902 | M 32x1,5 | 13 - 21 | 115 | 1 | |
| EMSVG 40 | 10065903 | M 40x1,5 | 16 - 28 | 150 | 1 | |
| EMSVG 50 | 10065904 | M 50x1,5 | 21 - 35 | 225 | 1 | |
| EMSVG 63 | 10065905 | M 63x1,5 | 34 - 48 | 285 | 1 | |

VentGLAND® EMC Cable gland SPRINT® with contact spring insert, EMSVG EMV-S, brass nickel-plated, metric, EN 62444



Protection class IP68 / IP69
Temperature range -40 °C · 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM, Membrane ePTFE, Earthing cones Stainless steel 1.4310

|  | Type | Order No. | Thread | Ø Cable in mm | Air flow at 70mbar l/h | PU |
|---|----------------|-----------|----------|---------------|------------------------|----|
| | EMSVG 20 EMV-S | 10102715 | M 20x1,5 | 6 · 13 | 55 | 1 |
| EMSVG 25 EMV-S | 10102716 | M 25x1,5 | 9 · 17 | 90 | 1 | |
| EMSVG 32 EMV-S | 10102717 | M 32x1,5 | 13 · 21 | 115 | 1 | |
| EMSVG 40 EMV-S | 10102718 | M 40x1,5 | 16 · 28 | 150 | 1 | |
| EMSVG 50 EMV-S | 10102719 | M 50x1,5 | 21 · 35 | 225 | 1 | |
| EMSVG 63 EMV-S | 10102720 | M 63x1,5 | 34 · 48 | 285 | 1 | |

VentGLAND® Cable glands SPRINT®, ESSVG, stainless steel, metric, EN 62444




Protection class IP68 / IP69
Temperature range -40 °C · 100 °C
Material Gland Stainless steel, Gasket EPDM, Clamping cage Polyamide, Membrane ePTFE

ESSVG, stainless steel 1.4305

|  | Type | Order No. | Thread | Ø Cable in mm | Air flow at 70mbar l/h | PU |
|---|----------|-----------|----------|---------------|------------------------|----|
| | ESSVG 16 | 10104410 | M 16x1,5 | 4,5 · 10 | 52 | 1 |
| ESSVG 20 | 10069400 | M 20x1,5 | 6 · 13 | 55 | 1 | |
| ESSVG 25 | 10069401 | M 25x1,5 | 9 · 17 | 90 | 1 | |
| ESSVG 32 | 10069402 | M 32x1,5 | 13 · 21 | 115 | 1 | |
| ESSVG 40 | 10069403 | M 40x1,5 | 16 · 28 | 150 | 1 | |
| ESSVG 50 | 10069404 | M 50x1,5 | 21 · 35 | 225 | 1 | |
| ESSVG 63 | 10069405 | M 63x1,5 | 34 · 48 | 285 | 1 | |

ESSVG-4, stainless steel 1.4404

|  | Type | Order No. | Thread | Ø Cable in mm | Air flow at 70mbar l/h | PU |
|---|------------|-----------|----------|---------------|------------------------|----|
| | ESSVG-4 16 | 10104411 | M 16x1,5 | 4,5 · 10 | 52 | 1 |
| ESSVG-4 20 | 10069500 | M 20x1,5 | 6 · 13 | 55 | 1 | |
| ESSVG-4 25 | 10069501 | M 25x1,5 | 9 · 17 | 90 | 1 | |
| ESSVG-4 32 | 10069502 | M 32x1,5 | 13 · 21 | 115 | 1 | |
| ESSVG-4 40 | 10069503 | M 40x1,5 | 16 · 28 | 150 | 1 | |
| ESSVG-4 50 | 10069504 | M 50x1,5 | 21 · 35 | 225 | 1 | |
| ESSVG-4 63 | 10069505 | M 63x1,5 | 34 · 48 | 285 | 1 | |

VentPLUG Pressure compensation units, EVPS, polyamide, metric




Protection class IP68 / IP69
Temperature range -40 °C - 100 °C
Material Polyamide, Membrane ePTFE


EVPS

|  | Type | RAL 7035 | RAL 9005 | Thread | Air flow at 70mbar l/h | PU |
|---|---------|----------|----------|----------|------------------------|----|
| | EVPS 12 | 10102369 | 10102370 | M 12x1,5 | 22 | 10 |
| | EVPS 20 | 10106591 | 10106595 | M 20x1,5 | 110 | 10 |
| | EVPS 40 | 10106593 | 10106597 | M 40x1,5 | 660 | 10 |


EVPS HF, High Air Flow

|  | EVPS 12 HF | 10103263 | 10103264 | M 12x1,5 | 34 | 10 |
|---|------------|----------|----------|----------|------|----|
| | EVPS 20 HF | 10106615 | 10106619 | M 20x1,5 | 280 | 10 |
| | EVPS 40 HF | 10106617 | 10106621 | M 40x1,5 | 1650 | 10 |

EVPS-L, long

|  | EVPS-L 20 | 10106592 | 10106596 | M 20x1,5 | 110 | 10 |
|---|-----------|----------|----------|----------|-----|----|
| | EVPS-L 40 | 10106594 | 10106598 | M 40x1,5 | 660 | 10 |

EVPS-L HF, High Air Flow, long

|  | EVPS-L 20 HF | 10106616 | 10106620 | M 20x1,5 | 280 | 10 |
|---|--------------|----------|----------|----------|------|----|
| | EVPS-L 40 HF | 10106618 | 10106622 | M 40x1,5 | 1650 | 10 |

VentPLUG Pressure compensation units, EMVPS, brass, nickle-plated, metric




Protection class IP68 / IP69
Temperature range -40 °C - 100 °C
Material Brass nickel-plated, Membrane ePTFE

EMVPS, Gasket EPDM


|  | Type | Order No. | Thread | Air flow at 70mbar l/h | PU |
|---|----------|-----------|----------|------------------------|----|
| | EMVPS 12 | 10103265 | M 12x1,5 | 22 | 10 |

EMVPS HF, Gasket Silicone, High Air Flow

|  | Type | Order No. | Thread | Air flow at 70mbar l/h | PU |
|---|-------------|-----------|----------|------------------------|----|
| | EMVPS 12 HF | 10103266 | M 12x1,5 | 34 | 10 |

DrainPLUG, EDPS, brass, metric

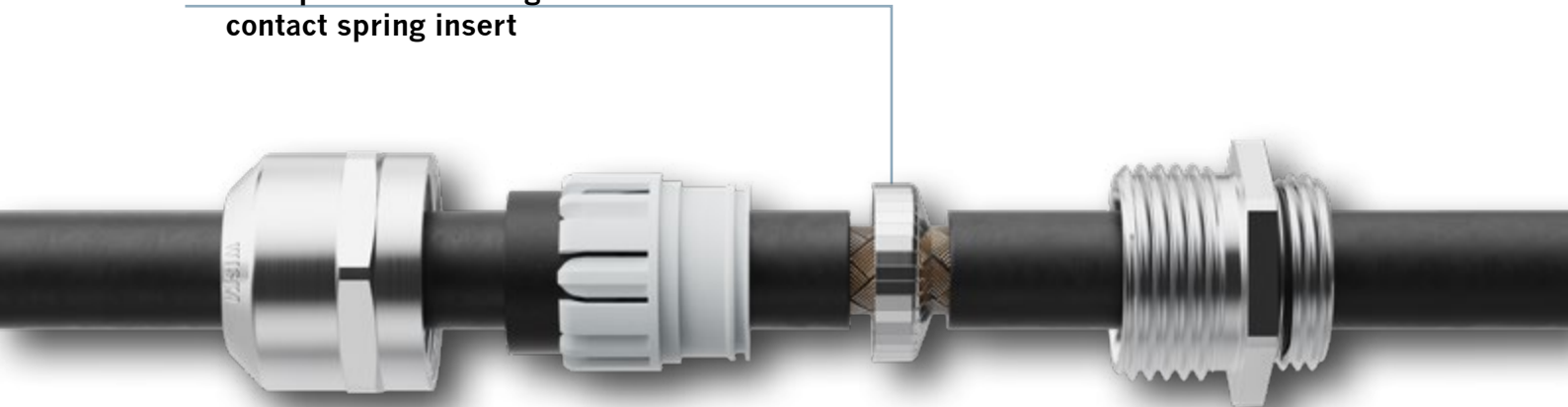
Protection class IP66
Temperature range -30 °C - 60 °C
Material Gland Brass nickel-plated, Gasket Polypropylene, Membrane PE

|  | Type | Order No. | Thread | PU |
|---|------------|-----------|----------|----|
| | EDPS-MN 20 | 10111161 | M 20x1,5 | 10 |

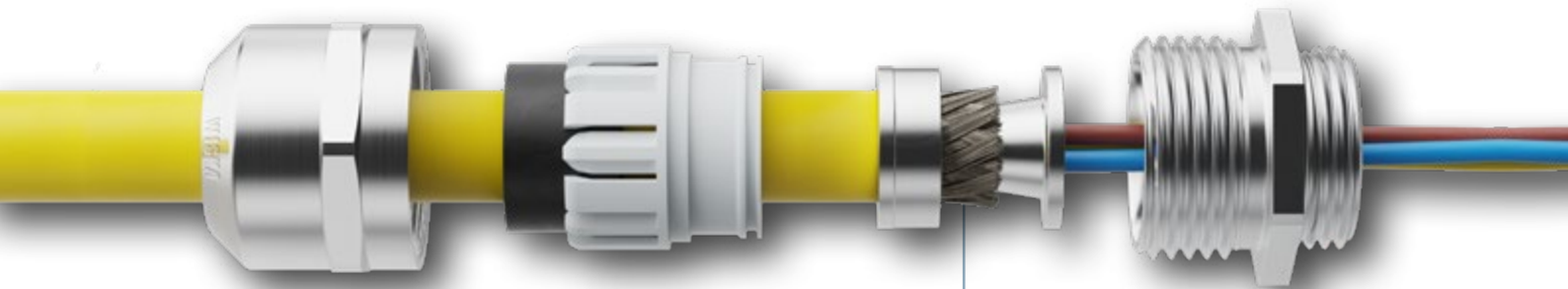
Our EMC Cable glands

Modern technologies are constantly becoming more demanding and complex. This increases the vulnerability of electronic components to electromagnetic disturbances. To protect against such interactions, we offer you different approaches to EMC cable glands which ensure effective 360° shielding and durable impermeability for individual uses.

**EMC protection through
contact spring insert**



**EMC protection through
earthing cone**



MagikNUT® – The EMC locknut

Using our cable management expertise, we have again developed a new and unique solution: The MagikNUT®! The MagikNUT® is a polyamide locknut with a built-in stainless steel clip mechanism for EMC shield connections. It can be used with plastic cable glands and plastic fittings, offering users a high level of EMC protection, quick installation time and savings in material costs.





Our products at a glance

EMC Locknut (Page 42)



ShieldGLAND (Page 42)



EMC Cable glands with earthing cone (Page 43)



EMC Cable glands with spring insert (Page 44)



Accessories (Page 44 - 45)



EMC Compression glands (Page 46 - 47)




Explore more...



MagikNUT® EMC Locknut, polyamide / stainless steel




Temperature range -40 °C - 100 °C
Material Polyamide, Stainless steel

|  | Type | RAL 7035 | RAL 9005 | Thread | PU |
|---|-------------|----------|----------|----------|----|
| | MagikNUT 16 | 10110660 | 10111060 | M 16x1,5 | 25 |
| | MagikNUT 20 | 10110661 | 10111061 | M 20x1,5 | 25 |
| | MagikNUT 25 | 10110662 | 10111062 | M 25x1,5 | 25 |

ShieldGLAND, polyamide / brass



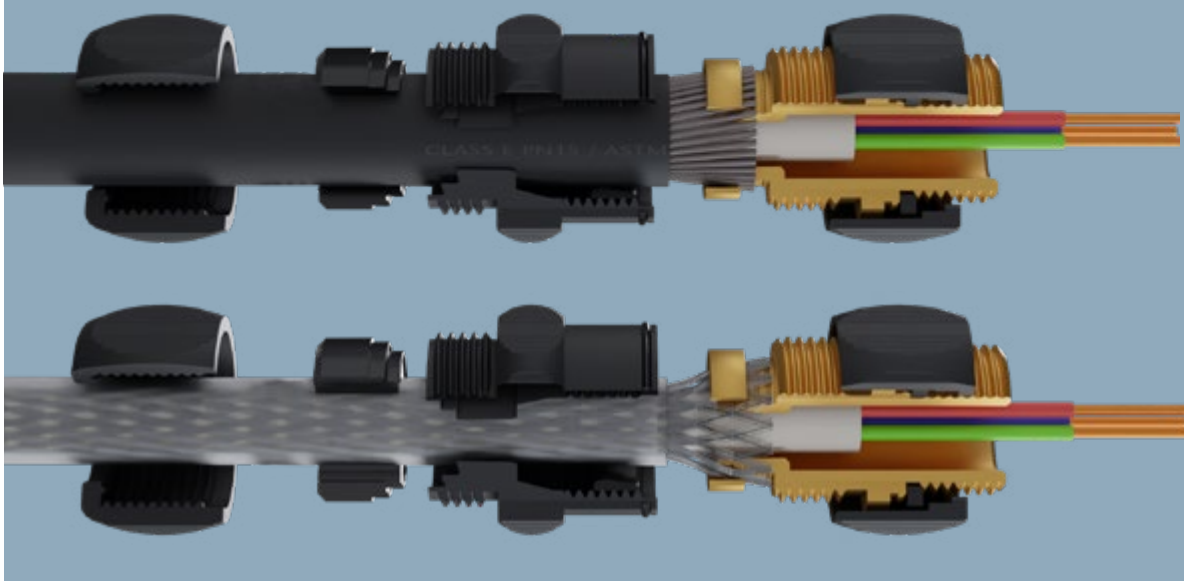
Protection class IP68
Temperature range -40 °C - 100 °C
Material Polyamide, brass

|  | Type | RAL 9005 | Thread | Ø Cable in mm | PU |
|--|---------------|----------|----------|---------------|----|
| | CUPG-GS03-M20 | 10112105 | M 20x1,5 | 7 - 16 | 10 |
| | CUPG-GS04-M20 | 10112106 | M 20x1,5 | 12 - 21 | 10 |
| | CUPG-GS05-M25 | 10112107 | M 25x1,5 | 17 - 28 | 10 |
| | CUPG-GS06-M32 | 10112108 | M 32x1,5 | 24 - 36 | 10 |

ShieldGLAND



An IP68 rated gland that is suitable for armoured and shielded cable. Superior protection, easy to use and works seamlessly with our COMBI® junction box series.



Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

SPRINT® EMC Cable glands with earthing cones DIN 89345,
 EMSKV EMV-Z, brass nickel-plated, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C · 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM,
 Earthing cones Brass chromium-plated

EMSKV EMV-Z

| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| EMSKV 12 EMV-Z | 10065016 | M 12x1,5 | 3 · 7 | 50 |
| EMSKV 16 EMV-Z | 10065017 | M 16x1,5 | 4,5 · 10 | 50 |
| EMSKV 20 EMV-Z | 10065018 | M 20x1,5 | 6 · 13 | 50 |
| EMSKV 25 EMV-Z | 10065019 | M 25x1,5 | 9 · 17 | 50 |
| EMSKV 32 EMV-Z | 10065020 | M 32x1,5 | 13 · 21 | 25 |
| EMSKV 40 EMV-Z | 10065021 | M 40x1,5 | 16 · 28 | 10 |
| EMSKV 50 EMV-Z | 10065022 | M 50x1,5 | 21 · 35 | 10 |
| EMSKV 63 EMV-Z | 10065023 | M 63x1,5 | 34 · 48 | 10 |
| EMSKV 75 EMV-Z | 10100963 | M 75x1,5 | 48 · 63 | 1 |

EMSKV-L EMV-Z, long

| | | | | |
|------------------|----------|----------|----------|----|
| EMSKV-L 12 EMV-Z | 10065182 | M 12x1,5 | 3 · 7 | 50 |
| EMSKV-L 16 EMV-Z | 10065183 | M 16x1,5 | 4,5 · 10 | 50 |
| EMSKV-L 20 EMV-Z | 10065184 | M 20x1,5 | 6 · 13 | 50 |
| EMSKV-L 25 EMV-Z | 10065185 | M 25x1,5 | 9 · 17 | 50 |
| EMSKV-L 32 EMV-Z | 10065186 | M 32x1,5 | 13 · 21 | 25 |
| EMSKV-L 40 EMV-Z | 10065187 | M 40x1,5 | 16 · 28 | 10 |
| EMSKV-L 50 EMV-Z | 10065188 | M 50x1,5 | 21 · 35 | 10 |
| EMSKV-L 63 EMV-Z | 10065189 | M 63x1,5 | 34 · 48 | 10 |

SPRINT® EMC Cable glands with earthing cones
 DIN 89345, ESSKV EMV-Z, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C · 100 °C
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide, Gasket EPDM,
 Earthing cones Brass chromium-plated

ESSKV EMV-Z, stainless steel 1.4305

| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| ESSKV 12 EMV-Z | 10069016 | M 12x1,5 | 3 · 7 | 10 |
| ESSKV 16 EMV-Z | 10069017 | M 16x1,5 | 4,5 · 10 | 10 |
| ESSKV 20 EMV-Z | 10069018 | M 20x1,5 | 6 · 13 | 10 |
| ESSKV 25 EMV-Z | 10069019 | M 25x1,5 | 9 · 17 | 10 |
| ESSKV 32 EMV-Z | 10069020 | M 32x1,5 | 13 · 21 | 5 |
| ESSKV 40 EMV-Z | 10069021 | M 40x1,5 | 16 · 28 | 5 |
| ESSKV 50 EMV-Z | 10069022 | M 50x1,5 | 21 · 35 | 2 |
| ESSKV 63 EMV-Z | 10069023 | M 63x1,5 | 34 · 48 | 1 |

ESSKV-4 EMV-Z, stainless steel 1.4404

| | | | | |
|------------------|----------|----------|----------|----|
| ESSKV-4 12 EMV-Z | 10069116 | M 12x1,5 | 3 · 7 | 10 |
| ESSKV-4 16 EMV-Z | 10069117 | M 16x1,5 | 4,5 · 10 | 10 |
| ESSKV-4 20 EMV-Z | 10069118 | M 20x1,5 | 6 · 13 | 10 |
| ESSKV-4 25 EMV-Z | 10069119 | M 25x1,5 | 9 · 17 | 10 |
| ESSKV-4 32 EMV-Z | 10069120 | M 32x1,5 | 13 · 21 | 5 |
| ESSKV-4 40 EMV-Z | 10069121 | M 40x1,5 | 16 · 28 | 5 |
| ESSKV-4 50 EMV-Z | 10069122 | M 50x1,5 | 21 · 35 | 2 |
| ESSKV-4 63 EMV-Z | 10069123 | M 63x1,5 | 34 · 48 | 1 |

SPRINT® EMC Cable glands with contact spring insert,
 EMSKV EMV-S, brass nickel-plated, metric, EN 62444


Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Material Gland Brass nickel-plated, Clamping cage Polyamide, Gasket EPDM,
 Contact spring insert Stainless steel 1.4310

EMSKV EMV-S

| | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|----------------|-----------|----------|---------------|----|
| | EMSKV 12 EMV-S | 10102273 | M 12x1,5 | 3 - 7 | 50 |
| | EMSKV 16 EMV-S | 10102274 | M 16x1,5 | 4,5 - 10 | 50 |
| | EMSKV 20 EMV-S | 10102275 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKV 25 EMV-S | 10102276 | M 25x1,5 | 9 - 17 | 50 |
| | EMSKV 32 EMV-S | 10102277 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKV 40 EMV-S | 10102278 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKV 50 EMV-S | 10102279 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKV 63 EMV-S | 10102280 | M 63x1,5 | 34 - 48 | 10 |

EMSKV-L EMV-S, long thread

| | | | | | |
|--|------------------|----------|----------|----------|----|
| | EMSKV-L 12 EMV-S | 10102645 | M 12x1,5 | 3 - 7 | 50 |
| | EMSKV-L 16 EMV-S | 10102646 | M 16x1,5 | 4,5 - 10 | 50 |
| | EMSKV-L 20 EMV-S | 10102647 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKV-L 25 EMV-S | 10102648 | M 25x1,5 | 9 - 17 | 50 |
| | EMSKV-L 32 EMV-S | 10102649 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKV-L 40 EMV-S | 10102650 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKV-L 50 EMV-S | 10102651 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKV-L 63 EMV-S | 10102652 | M 63x1,5 | 34 - 48 | 10 |

EMC Locknuts, brass, nickel-plated

Temperature range -250 °C - 500 °C
Material Brass nickel-plated

EMMU-EMV, metric

| | Type | Order No. | Thread | PU |
|--|-------------|-----------|----------|-----|
| | EMMU-EMV 12 | 10063210 | M 12x1,5 | 100 |
| | EMMU-EMV 16 | 10063211 | M 16x1,5 | 100 |
| | EMMU-EMV 20 | 10063212 | M 20x1,5 | 100 |
| | EMMU-EMV 25 | 10063213 | M 25x1,5 | 100 |
| | EMMU-EMV 32 | 10063214 | M 32x1,5 | 100 |
| | EMMU-EMV 40 | 10063215 | M 40x1,5 | 50 |
| | EMMU-EMV 50 | 10063216 | M 50x1,5 | 50 |
| | EMMU-EMV 63 | 10063217 | M 63x1,5 | 25 |
| | EMMU-EMV 75 | 10102228 | M 75x1,5 | 1 |


MMU-EMV, PG

| | | | | |
|--|--------------|----------|---------|-----|
| | MMU-EMV 7 | 10063218 | PG 7 | 100 |
| | MMU-EMV 9 | 10063219 | PG 9 | 100 |
| | MMU-EMV 11 | 10063220 | PG 11 | 100 |
| | MMU-EMV 13,5 | 10063221 | PG 13,5 | 100 |
| | MMU-EMV 16 | 10063222 | PG 16 | 100 |
| | MMU-EMV 21 | 10063223 | PG 21 | 50 |
| | MMU-EMV 29 | 10063224 | PG 29 | 50 |
| | MMU-EMV 36 | 10063225 | PG 36 | 50 |
| | MMU-EMV 42 | 10063226 | PG 42 | 50 |
| | MMU-EMV 48 | 10063227 | PG 48 | 50 |

SPRINT® EMC Earthing cone to DIN 89345, EE, brass, chromium plated



Advice * Similar DIN 89345
Temperature range -150 °C - 250 °C
Material Brass chromium-plated




| Type | Order No. | Ø Cable in mm | For Cable gland type | PU |
|------------|-----------|---------------|---------------------------------|----|
| EE 10-03* | 50101021 | 3 | HatGLAND 12 | 1 |
| EE 12-05* | 50085887 | 5 | SPRINT® 12 | 1 |
| EE 14-07* | 50101022 | 7 | HatGLAND 16 | 1 |
| EE 16-06 | 50084648 | 6 | SPRINT® 16 / KVM 16 | 1 |
| EE 16-07* | 50085652 | 7,5 | SPRINT® 16 / KVM 16 | 1 |
| EE 18-06 | 50084649 | 6 | SPRINT® 20 / KVM18 / HatGLAND20 | 1 |
| EE 18-07 | 50080958 | 7 | SPRINT® 20 / KVM18 / HatGLAND20 | 1 |
| EE 18-09* | 50085650 | 9,5 | SPRINT® 20 / KVM18 / HatGLAND20 | 1 |
| EE 22-14* | 50101023 | 14,5 | HatGLAND 25 | 1 |
| EE 24-06 | 50084650 | 6 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-07 | 50080960 | 7 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-08 | 50084651 | 8 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-10 | 50080962 | 10,5 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-13 | 50080963 | 13 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-14 | 50080964 | 14,5 | SPRINT® 25 / KVM 24 | 1 |
| EE 24-16* | 50085654 | 16 | SPRINT® 25 / KVM 24 | 1 |
| EE 30-16 | 50084652 | 16 | SPRINT® 32 / KVM30 / HatGLAND32 | 1 |
| EE 30-18 | 50081743 | 18 | SPRINT® 32 / KVM30 / HatGLAND32 | 1 |
| EE 30-20* | 50085655 | 20 | SPRINT® 32 / KVM30 / HatGLAND32 | 1 |
| EE 36-20 | 50080967 | 20 | SPRINT® 40 / KVM36 / HatGLAND40 | 1 |
| EE 36-22 | 50084653 | 22 | SPRINT® 40 / KVM36 / HatGLAND40 | 1 |
| EE 36-24 | 50080969 | 24 | SPRINT® 40 / KVM36 / HatGLAND40 | 1 |
| EE 36-26* | 50085656 | 26 | SPRINT® 40 / KVM36 / HatGLAND40 | 1 |
| EE 45-27 | 50081592 | 27 | SPRINT® 50 / KVM45 / HatGLAND50 | 1 |
| EE 45-30 | 50081407 | 30 | SPRINT® 50 / KVM45 / HatGLAND50 | 1 |
| EE 45-33* | 50085657 | 33 | SPRINT® 50 / KVM45 / HatGLAND50 | 1 |
| EE 56-35 | 50081406 | 35 | SPRINT® 63 / KVM56 / HatGLAND63 | 1 |
| EE 56-39 | 50080768 | 39 | SPRINT® 63 / KVM56 / HatGLAND63 | 1 |
| EE 56-45* | 50085658 | 45 | SPRINT® 63 / KVM56 / HatGLAND63 | 1 |
| EE 72-49 | 50080954 | 49 | KVM 72 | 1 |
| EE 72-44 | 50080955 | 44 | KVM 72 | 1 |
| EE 72-58 | 50085659 | 58 | KVM 72 | 1 |
| EE 80-62* | 50082650 | 62 | KVM 80 | 1 |
| EE 105-72* | 50084654 | 72 | KVM 105 | 1 |
| EE 105-77* | 50084655 | 77 | KVM 105 | 1 |

SPRINT® EMC Contact spring insert, EMV-S, stainless steel



Temperature range -100 °C - 500 °C
Material Stainless steel 1.4310



| Type | Order No. | Ø Cable in mm | For Cable gland type | PU |
|----------|-----------|---------------|----------------------|----|
| EMV-S 12 | 10102528 | 2 · 6 | SPRINT® 12 | 5 |
| EMV-S 16 | 10102529 | 3 · 9 | SPRINT® 16 | 5 |
| EMV-S 20 | 10102530 | 5 · 12 | SPRINT® 20 | 5 |
| EMV-S 25 | 10102531 | 7,5 · 13,5 | SPRINT® 25 | 5 |
| EMV-S 32 | 10102532 | 11 · 19 | SPRINT® 32 | 5 |
| EMV-S 40 | 10102533 | 14 · 26 | SPRINT® 40 | 1 |
| EMV-S 50 | 10102534 | 18 · 32 | SPRINT® 50 | 1 |
| EMV-S 63 | 10102535 | 30 · 44 | SPRINT® 63 | 1 |

**ShotGLAND EMC Compression cable gland with earthing cones DIN 89345,
EMCGV EMV-Z, brass, metric, EN 62444**


Protection class IP68 (5 bar 30 min)
Temperature range -40 °C - 120 °C
Material Gland Brass nickel-plated, Gasket EPDM, Earthing cones Brass chromium-plated



| Type | Order No. | Thread | Ø Cable in mm | PU |
|--------------------|-----------|----------|---------------|----|
| EMCGV 8-030 EMV-Z | 10106442 | M 8x1,25 | 2 · 3,3 | 50 |
| EMCGV 8-040 EMV-Z | 10106443 | M 8x1,25 | 3 · 4,3 | 50 |
| EMCGV 8-050 EMV-Z | 10106445 | M 8x1,25 | 4 · 5,3 | 50 |
| EMCGV 12-030 EMV-Z | 10106446 | M 12x1,5 | 2 · 3 | 50 |
| EMCGV 12-050 EMV-Z | 10106447 | M 12x1,5 | 3 · 5 | 50 |
| EMCGV 12-070 EMV-Z | 10106448 | M 12x1,5 | 5 · 7 | 50 |
| EMCGV 12-090 EMV-Z | 10106449 | M 12x1,5 | 7 · 9 | 50 |
| EMCGV 16-040 EMV-Z | 10106450 | M 16x1,5 | 2 · 4 | 50 |
| EMCGV 16-060 EMV-Z | 10106451 | M 16x1,5 | 4 · 6 | 50 |
| EMCGV 16-080 EMV-Z | 10106452 | M 16x1,5 | 6 · 8 | 50 |
| EMCGV 16-100 EMV-Z | 10106453 | M 16x1,5 | 8 · 10 | 50 |
| EMCGV 16-120 EMV-Z | 10106454 | M 16x1,5 | 10 · 12 | 50 |
| EMCGV 20-060 EMV-Z | 10106455 | M 20x1,5 | 4 · 6 | 50 |
| EMCGV 20-080 EMV-Z | 10106456 | M 20x1,5 | 6 · 8 | 50 |
| EMCGV 20-100 EMV-Z | 10106457 | M 20x1,5 | 8 · 10 | 50 |
| EMCGV 20-120 EMV-Z | 10106458 | M 20x1,5 | 10 · 12 | 50 |
| EMCGV 20-140 EMV-Z | 10106459 | M 20x1,5 | 12 · 14 | 50 |
| EMCGV 20-160 EMV-Z | 10106460 | M 20x1,5 | 14 · 16 | 50 |
| EMCGV 25-080 EMV-Z | 10106461 | M 25x1,5 | 6 · 8 | 50 |
| EMCGV 25-100 EMV-Z | 10106462 | M 25x1,5 | 8 · 10 | 50 |
| EMCGV 25-120 EMV-Z | 10106463 | M 25x1,5 | 10 · 12 | 50 |
| EMCGV 25-140 EMV-Z | 10106464 | M 25x1,5 | 12 · 14 | 50 |
| EMCGV 25-160 EMV-Z | 10106465 | M 25x1,5 | 14 · 16 | 50 |
| EMCGV 25-170 EMV-Z | 10106466 | M 25x1,5 | 15 · 17 | 50 |
| EMCGV 32-110 EMV-Z | 10106467 | M 32x1,5 | 9 · 11 | 25 |
| EMCGV 32-130 EMV-Z | 10106468 | M 32x1,5 | 11 · 13 | 25 |
| EMCGV 32-150 EMV-Z | 10106469 | M 32x1,5 | 13 · 15 | 25 |
| EMCGV 32-180 EMV-Z | 10106470 | M 32x1,5 | 16 · 18 | 25 |
| EMCGV 32-200 EMV-Z | 10106471 | M 32x1,5 | 18 · 20 | 25 |
| EMCGV 32-230 EMV-Z | 10106473 | M 32x1,5 | 21 · 23 | 25 |
| EMCGV 40-180 EMV-Z | 10106474 | M 40x1,5 | 16 · 18 | 10 |
| EMCGV 40-200 EMV-Z | 10106475 | M 40x1,5 | 18 · 20 | 10 |
| EMCGV 40-220 EMV-Z | 10106476 | M 40x1,5 | 20 · 22 | 10 |
| EMCGV 40-240 EMV-Z | 10106477 | M 40x1,5 | 22 · 24 | 10 |
| EMCGV 40-260 EMV-Z | 10106478 | M 40x1,5 | 24 · 26 | 10 |
| EMCGV 40-290 EMV-Z | 10106479 | M 40x1,5 | 26 · 29 | 10 |
| EMCGV 50-280 EMV-Z | 10106480 | M 50x1,5 | 26 · 28 | 10 |
| EMCGV 50-300 EMV-Z | 10106481 | M 50x1,5 | 28 · 30 | 10 |
| EMCGV 50-320 EMV-Z | 10106482 | M 50x1,5 | 30 · 32 | 10 |
| EMCGV 50-340 EMV-Z | 10106483 | M 50x1,5 | 32 · 34 | 10 |
| EMCGV 50-360 EMV-Z | 10106484 | M 50x1,5 | 34 · 36 | 10 |
| EMCGV 50-380 EMV-Z | 10106485 | M 50x1,5 | 36 · 38 | 10 |
| EMCGV 63-350 EMV-Z | 10106486 | M 63x1,5 | 33 · 35 | 10 |
| EMCGV 63-380 EMV-Z | 10106487 | M 63x1,5 | 35 · 38 | 10 |
| EMCGV 63-410 EMV-Z | 10106488 | M 63x1,5 | 38 · 41 | 10 |
| EMCGV 63-440 EMV-Z | 10106489 | M 63x1,5 | 41 · 44 | 10 |
| EMCGV 63-470 EMV-Z | 10106490 | M 63x1,5 | 44 · 47 | 10 |
| EMCGV 63-490 EMV-Z | 10106491 | M 63x1,5 | 47 · 49 | 10 |

ShotGLAND LowTemp EMC Compression cable gland with earthing cones DIN 89345, EMCGV EMV-Z, brass, metric, EN 62444



Protection class IP68 (5 bar 30 min)

Temperature range -60 °C · 180 °C

Material Gland Brass nickel-plated, Gasket Silicone, Earthing cones Brass chromium-plated



| Type | Order No. | Thread | Ø Cable in mm | PU |
|-----------------------|-----------|----------|---------------|----|
| EMCGV 8-030 LT EMV-Z | 10106540 | M 8x1,25 | 2 · 3,3 | 50 |
| EMCGV 8-040 LT EMV-Z | 10106541 | M 8x1,25 | 3 · 4,3 | 50 |
| EMCGV 8-050 LT EMV-Z | 10106542 | M 8x1,25 | 4 · 5,3 | 50 |
| EMCGV 12-030 LT EMV-Z | 10106543 | M 12x1,5 | 2 · 3 | 50 |
| EMCGV 12-050 LT EMV-Z | 10106544 | M 12x1,5 | 3 · 5 | 50 |
| EMCGV 12-070 LT EMV-Z | 10106545 | M 12x1,5 | 5 · 7 | 50 |
| EMCGV 12-090 LT EMV-Z | 10106546 | M 12x1,5 | 7 · 9 | 50 |
| EMCGV 16-040 LT EMV-Z | 10106547 | M 16x1,5 | 2 · 4 | 50 |
| EMCGV 16-060 LT EMV-Z | 10106548 | M 16x1,5 | 4 · 6 | 50 |
| EMCGV 16-080 LT EMV-Z | 10106549 | M 16x1,5 | 6 · 8 | 50 |
| EMCGV 16-100 LT EMV-Z | 10106550 | M 16x1,5 | 8 · 10 | 50 |
| EMCGV 16-120 LT EMV-Z | 10106551 | M 16x1,5 | 10 · 12 | 50 |
| EMCGV 20-060 LT EMV-Z | 10106552 | M 20x1,5 | 4 · 6 | 50 |
| EMCGV 20-080 LT EMV-Z | 10106553 | M 20x1,5 | 6 · 8 | 50 |
| EMCGV 20-100 LT EMV-Z | 10106554 | M 20x1,5 | 8 · 10 | 50 |
| EMCGV 20-120 LT EMV-Z | 10106555 | M 20x1,5 | 10 · 12 | 50 |
| EMCGV 20-140 LT EMV-Z | 10106556 | M 20x1,5 | 12 · 14 | 50 |
| EMCGV 20-160 LT EMV-Z | 10106557 | M 20x1,5 | 14 · 16 | 50 |
| EMCGV 25-080 LT EMV-Z | 10106558 | M 25x1,5 | 6 · 8 | 50 |
| EMCGV 25-100 LT EMV-Z | 10106559 | M 25x1,5 | 8 · 10 | 50 |
| EMCGV 25-120 LT EMV-Z | 10106560 | M 25x1,5 | 10 · 12 | 50 |
| EMCGV 25-140 LT EMV-Z | 10106561 | M 25x1,5 | 12 · 14 | 50 |
| EMCGV 25-160 LT EMV-Z | 10106562 | M 25x1,5 | 14 · 16 | 50 |
| EMCGV 25-170 LT EMV-Z | 10106563 | M 25x1,5 | 15 · 17 | 50 |
| EMCGV 32-110 LT EMV-Z | 10106564 | M 32x1,5 | 9 · 11 | 25 |
| EMCGV 32-130 LT EMV-Z | 10106565 | M 32x1,5 | 11 · 13 | 25 |
| EMCGV 32-150 LT EMV-Z | 10106566 | M 32x1,5 | 13 · 15 | 25 |
| EMCGV 32-180 LT EMV-Z | 10106567 | M 32x1,5 | 16 · 18 | 25 |
| EMCGV 32-200 LT EMV-Z | 10106568 | M 32x1,5 | 18 · 20 | 25 |
| EMCGV 32-230 LT EMV-Z | 10106570 | M 32x1,5 | 21 · 23 | 25 |
| EMCGV 40-180 LT EMV-Z | 10106571 | M 40x1,5 | 16 · 18 | 10 |
| EMCGV 40-200 LT EMV-Z | 10106572 | M 40x1,5 | 18 · 20 | 10 |
| EMCGV 40-220 LT EMV-Z | 10106573 | M 40x1,5 | 20 · 22 | 10 |
| EMCGV 40-240 LT EMV-Z | 10106574 | M 40x1,5 | 22 · 24 | 10 |
| EMCGV 40-260 LT EMV-Z | 10106575 | M 40x1,5 | 24 · 26 | 10 |
| EMCGV 40-290 LT EMV-Z | 10106576 | M 40x1,5 | 26 · 29 | 10 |
| EMCGV 50-280 LT EMV-Z | 10106577 | M 50x1,5 | 26 · 28 | 10 |
| EMCGV 50-300 LT EMV-Z | 10106578 | M 50x1,5 | 28 · 30 | 10 |
| EMCGV 50-320 LT EMV-Z | 10106579 | M 50x1,5 | 30 · 32 | 10 |
| EMCGV 50-340 LT EMV-Z | 10106580 | M 50x1,5 | 32 · 34 | 10 |
| EMCGV 50-360 LT EMV-Z | 10106581 | M 50x1,5 | 34 · 36 | 10 |
| EMCGV 50-380 LT EMV-Z | 10106582 | M 50x1,5 | 36 · 38 | 10 |
| EMCGV 63-350 LT EMV-Z | 10106583 | M 63x1,5 | 33 · 35 | 10 |
| EMCGV 63-380 LT EMV-Z | 10106584 | M 63x1,5 | 35 · 38 | 10 |
| EMCGV 63-410 LT EMV-Z | 10106585 | M 63x1,5 | 38 · 41 | 10 |
| EMCGV 63-440 LT EMV-Z | 10106586 | M 63x1,5 | 41 · 44 | 10 |
| EMCGV 63-470 LT EMV-Z | 10106587 | M 63x1,5 | 44 · 47 | 10 |
| EMCGV 63-490 LT EMV-Z | 10106588 | M 63x1,5 | 47 · 49 | 10 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

Our EX Cable glands

These cable glands are the perfect option for applications in hazardous areas. Our explosion-proof cable glands are available with various types of ignition protection according to ATEX guidelines and IECEx standards as well as many other international standards. Our Ex-portfolio encompasses everything from cable glands, stop ends and extensions to adaptors.





Our products at a glance

Polyamide EX Cable glands and accessories (Page 50 - 56)



Brass EX d Cable glands and accessories (Page 63 - 65)



Brass EX e Cable glands and accessories (Page 57 - 60)



Stainless steel EX e Cable glands (Page 61 - 62)



Explore more...




SPRINT® EX Cable glands,
 ESKE/1-e, for increased safety, metric



Marking Ex eb, Ex tb
Approval IECEx, ATEX
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C · 75 °C
Material Gland Polyamide, Gasket EPDM

ESKE/1-e

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|-------------|----------|----------|---------------|----|
| | ESKE/1-e 12 | 10103363 | M 12x1,5 | 3 · 6 | 50 |
| | ESKE/1-e 16 | 10103364 | M 16x1,5 | 4,5 · 9 | 50 |
| | ESKE/1-e 20 | 10103365 | M 20x1,5 | 7 · 13 | 50 |
| | ESKE/1-e 25 | 10103366 | M 25x1,5 | 10 · 17 | 50 |
| | ESKE/1-e 32 | 10103367 | M 32x1,5 | 13 · 21 | 25 |
| | ESKE/1-e 40 | 10103368 | M 40x1,5 | 17 · 28 | 10 |
| | ESKE/1-e 50 | 10103369 | M 50x1,5 | 23 · 35 | 4 |
| | ESKE/1-e 63 | 10103370 | M 63x1,5 | 34 · 48 | 1 |

ESKE/1-L-e, long thread


|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|--|---------------|----------|----------|---------------|----|
| | ESKE/1-L-e 12 | 10103379 | M 12x1,5 | 3 · 6 | 50 |
| | ESKE/1-L-e 16 | 10103380 | M 16x1,5 | 4,5 · 9 | 50 |
| | ESKE/1-L-e 20 | 10103381 | M 20x1,5 | 7 · 13 | 50 |
| | ESKE/1-L-e 25 | 10103382 | M 25x1,5 | 10 · 17 | 50 |
| | ESKE/1-L-e 32 | 10103383 | M 32x1,5 | 13 · 21 | 25 |
| | ESKE/1-L-e 40 | 10103384 | M 40x1,5 | 17 · 28 | 10 |
| | ESKE/1-L-e 50 | 10103385 | M 50x1,5 | 23 · 35 | 4 |
| | ESKE/1-L-e 63 | 10103386 | M 63x1,5 | 34 · 48 | 1 |

SPRINT® EX Cable glands LowTemp,
 ESKE/1-e LT, for increased safety, metric



Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -60 °C · 75 °C
Material Gland Polyamide, Gasket Silicone

ESKE/1-e LT

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|----------------|----------|----------|---------------|----|
| | ESKE/1-e 12 LT | 10103429 | M 12x1,5 | 3 · 6 | 50 |
| | ESKE/1-e 16 LT | 10103430 | M 16x1,5 | 4,5 · 9 | 50 |
| | ESKE/1-e 20 LT | 10103431 | M 20x1,5 | 7 · 13 | 50 |
| | ESKE/1-e 25 LT | 10103432 | M 25x1,5 | 10 · 17 | 50 |
| | ESKE/1-e 32 LT | 10103433 | M 32x1,5 | 13 · 21 | 25 |
| | ESKE/1-e 40 LT | 10103434 | M 40x1,5 | 17 · 28 | 10 |
| | ESKE/1-e 50 LT | 10103435 | M 50x1,5 | 23 · 35 | 4 |
| | ESKE/1-e 63 LT | 10103436 | M 63x1,5 | 34 · 48 | 1 |

ESKE/1-L-e LT, long thread

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|------------------|----------|----------|---------------|----|
| | ESKE/1-L-e 12 LT | 10103445 | M 12x1,5 | 3 · 6 | 50 |
| | ESKE/1-L-e 16 LT | 10103446 | M 16x1,5 | 4,5 · 9 | 50 |
| | ESKE/1-L-e 20 LT | 10103447 | M 20x1,5 | 7 · 13 | 50 |
| | ESKE/1-L-e 25 LT | 10103448 | M 25x1,5 | 10 · 17 | 50 |
| | ESKE/1-L-e 32 LT | 10103449 | M 32x1,5 | 13 · 21 | 25 |
| | ESKE/1-L-e 40 LT | 10103450 | M 40x1,5 | 17 · 28 | 10 |
| | ESKE/1-L-e 50 LT | 10103451 | M 50x1,5 | 23 · 35 | 4 |
| | ESKE/1-L-e 63 LT | 10103452 | M 63x1,5 | 34 · 48 | 1 |


SPRINT® EX Cable glands with bend protection, ESKE/1S-e, for increased safety




Marking Ex eb, Ex tb
Approval IECEx, ATEX
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C - 75 °C
Material Gland Polyamide, Gasket EPDM

ESKE/1S-e, metric

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|--------------|----------|----------|---------------|----|
| | ESKE/1S-e 12 | 10103493 | M 12x1,5 | 3 - 6 | 50 |
| | ESKE/1S-e 16 | 10103494 | M 16x1,5 | 4,5 - 9 | 50 |
| | ESKE/1S-e 20 | 10103495 | M 20x1,5 | 7 - 13 | 25 |
| | ESKE/1S-e 25 | 10103496 | M 25x1,5 | 10 - 17 | 25 |
| | ESKE/1S-e 32 | 10103497 | M 32x1,5 | 13 - 21 | 10 |

ESKE/1S-L-e, metric, long thread

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|----------------|----------|----------|---------------|----|
| | ESKE/1S-L-e 12 | 10103503 | M 12x1,5 | 3 - 6 | 50 |
| | ESKE/1S-L-e 16 | 10103504 | M 16x1,5 | 4,5 - 9 | 50 |
| | ESKE/1S-L-e 20 | 10103505 | M 20x1,5 | 7 - 13 | 25 |
| | ESKE/1S-L-e 25 | 10103506 | M 25x1,5 | 10 - 17 | 50 |
| | ESKE/1S-L-e 32 | 10103507 | M 32x1,5 | 13 - 21 | 10 |

SPRINT® EX Cable glands with external strain relief, ESKEZ-e, for increased safety




Marking Ex eb, Ex tb
Approval IECEx, ATEX
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C - 75 °C
Material Gland Polyamide, Gasket EPDM

ESKEZ-e, metric

|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|------------|----------|----------|---------------|----|
| | ESKEZ-e 20 | 10100455 | M 20x1,5 | 8 - 13 | 50 |
| | ESKEZ-e 25 | 10100456 | M 25x1,5 | 10 - 17 | 25 |
| | ESKEZ-e 32 | 10100457 | M 32x1,5 | 16 - 21 | 10 |

ESKEZ-L-e, metric, long thread


|  | Type | RAL 9005 | Threat | Ø Cable in mm | PU |
|---|--------------|----------|----------|---------------|----|
| | ESKEZ-L-e 20 | 10100848 | M 20x1,5 | 8 - 13 | 50 |
| | ESKEZ-L-e 25 | 10100849 | M 25x1,5 | 10 - 17 | 25 |
| ESKEZ-L-e 32 | 10100849 | M 32x1,5 | 16 - 21 | 10 | |

SPRINT® EX Cable glands,
 ESKE/1-i, for intrinsic safety, metric



Marking Ex tb, Ex eb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C - 75 °C
Colour RAL 5012 / RAL 9005
Material Gland Polyamide, Gasket EPDM

ESKE/1-i

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | ESKE/1-i 12 | 10103371 | M 12x1,5 | 3 - 6 | 50 |
| ESKE/1-i 16 | 10103372 | M 16x1,5 | 4,5 - 9 | 50 | |
| ESKE/1-i 20 | 10103373 | M 20x1,5 | 7 - 13 | 50 | |
| ESKE/1-i 25 | 10103374 | M 25x1,5 | 10 - 17 | 50 | |
| ESKE/1-i 32 | 10103375 | M 32x1,5 | 13 - 21 | 25 | |
| ESKE/1-i 40 | 10103376 | M 40x1,5 | 17 - 28 | 10 | |
| ESKE/1-i 50 | 10103377 | M 50x1,5 | 23 - 35 | 4 | |
| ESKE/1-i 63 | 10103378 | M 63x1,5 | 34 - 48 | 1 | |

ESKE/1-L-i, long thread


|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|---------------|-----------|----------|---------------|----|
| | ESKE/1-L-i 12 | 10103387 | M 12x1,5 | 3 - 6 | 50 |
| ESKE/1-L-i 16 | 10103388 | M 16x1,5 | 4,5 - 9 | 50 | |
| ESKE/1-L-i 20 | 10103389 | M 20x1,5 | 7 - 13 | 50 | |
| ESKE/1-L-i 25 | 10103390 | M 25x1,5 | 10 - 17 | 50 | |
| ESKE/1-L-i 32 | 10103391 | M 32x1,5 | 13 - 21 | 25 | |
| ESKE/1-L-i 40 | 10103392 | M 40x1,5 | 17 - 28 | 10 | |
| ESKE/1-L-i 50 | 10103393 | M 50x1,5 | 23 - 35 | 4 | |
| ESKE/1-L-i 63 | 10103394 | M 63x1,5 | 34 - 48 | 1 | |

SPRINT® EX Cable glands LowTemp,
 ESKE/1-i LT, for intrinsic safety, metric



Marking Ex eb, Ex tb
Approval IECEx, ATEX
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -60 °C - 75 °C
Colour RAL 5012 / RAL 9005
Material Gland Polyamide, Gasket Silicone

ESKE/1-i LT

|  | Type | Order No | Thread | Ø Cable in mm | PU |
|---|----------------|----------|----------|---------------|----|
| | ESKE/1-i 12 LT | 10103437 | M 12x1,5 | 3 - 6 | 50 |
| ESKE/1-i 16 LT | 10103438 | M 16x1,5 | 4,5 - 9 | 50 | |
| ESKE/1-i 20 LT | 10103439 | M 20x1,5 | 7 - 13 | 50 | |
| ESKE/1-i 25 LT | 10103440 | M 25x1,5 | 10 - 17 | 50 | |
| ESKE/1-i 32 LT | 10103441 | M 32x1,5 | 13 - 21 | 25 | |
| ESKE/1-i 40 LT | 10103442 | M 40x1,5 | 17 - 28 | 10 | |
| ESKE/1-i 50 LT | 10103443 | M 50x1,5 | 23 - 35 | 4 | |
| ESKE/1-i 63 LT | 10103444 | M 63x1,5 | 34 - 48 | 1 | |

ESKE/1-L-i LT, long thread

|  | Type | Order No | Thread | Ø Cable in mm | PU |
|---|------------------|----------|----------|---------------|----|
| | ESKE/1-L-i 12 LT | 10103453 | M 12x1,5 | 3 - 6 | 50 |
| ESKE/1-L-i 16 LT | 10103454 | M 16x1,5 | 4,5 - 9 | 50 | |
| ESKE/1-L-i 20 LT | 10103455 | M 20x1,5 | 7 - 13 | 50 | |
| ESKE/1-L-i 25 LT | 10103456 | M 25x1,5 | 10 - 17 | 50 | |
| ESKE/1-L-i 32 LT | 10103457 | M 32x1,5 | 13 - 21 | 25 | |
| ESKE/1-L-i 40 LT | 10103458 | M 40x1,5 | 17 - 28 | 10 | |
| ESKE/1-L-i 50 LT | 10103459 | M 50x1,5 | 23 - 35 | 4 | |
| ESKE/1-L-i 63 LT | 10103460 | M 63x1,5 | 34 - 48 | 1 | |


SPRINT® EX Cable glands with bend protection, ESKE/1S-i, for intrinsic safety, metric




Marking Ex eb, Ex tb
Approval IECEx, ATEX
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C - 75 °C
Colour RAL 5012 / RAL 9005
Material Gland Polyamide, Gasket EPDM

ESKE/1S-i

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|---------------|-----------|----------|---------------|----|
| | EESKE/1S-i 12 | 10103498 | M 12x1,5 | 3 - 6 | 50 |
| | ESKE/1S-i 16 | 10103499 | M 16x1,5 | 4,5 - 9 | 50 |
| | ESKE/1S-i 20 | 10103500 | M 20x1,5 | 7 - 13 | 25 |
| | ESKE/1S-i 25 | 10103501 | M 25x1,5 | 10 - 17 | 25 |
| | ESKE/1S-i 32 | 10103502 | M 32x1,5 | 13 - 21 | 10 |

ESKE/1S-L-i, long thread

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|----------------|-----------|----------|---------------|----|
| | ESKE/1S-L-i 12 | 10103508 | M 12x1,5 | 3 - 6 | 50 |
| | ESKE/1S-L-i 16 | 10103509 | M 16x1,5 | 4,5 - 9 | 50 |
| | ESKE/1S-L-i 20 | 10103510 | M 20x1,5 | 7 - 13 | 25 |
| | ESKE/1S-L-i 25 | 10103511 | M 25x1,5 | 10 - 17 | 25 |
| | ESKE/1S-L-i 32 | 10103512 | M 32x1,5 | 13 - 21 | 10 |


SPRINT® EX Cable glands with external strain relief, ESKEZ-e, for intrinsic safety, metric




Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Glow wire test 750 °C

Temperature range -40 °C - 75 °C
Colour RAL 5012 / RAL 9005
Material Gland Polyamide, Gasket EPDM

ESKEZ-i

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|------------|-----------|----------|---------------|----|
| | ESKEZ-i 20 | 10100453 | M 20x1,5 | 8 - 13 | 50 |
| | ESKEZ-i 25 | 10100846 | M 25x1,5 | 10 - 17 | 25 |
| | ESKEZ-i 32 | 10100454 | M 32x1,5 | 16 - 21 | 10 |

ESKEZ-L-i, long thread



|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|--------------|-----------|----------|---------------|----|
| | ESKEZ-L-i 20 | 10100852 | M 20x1,5 | 8 - 13 | 50 |
| | ESKEZ-L-i 25 | 10100853 | M 25x1,5 | 10 - 17 | 25 |
| | ESKEZ-L-i 32 | 10100854 | M 32x1,5 | 16 - 21 | 10 |

EX Adaptors,
 EX-APM, polyamide, PG-metric

Marking
Approval
Protection class

 Ex eb, Ex tb
 IECEX, ATEX
 IP66 / IP68 (5 bar 30 min)

Temperature range -40 °C · 75 °C
Material Polyamide, fibre reinforced,
 Gasket EPDM

| | Type | RAL 9005 | Thread from | Thread to | Form | PU |
|---|----------------|----------|-------------|-----------|------|----|
| | | | | | | |
|  Form A | EX-APM 7/12 | 10064748 | PG 7 | M 12x1,5 | A | 25 |
| | EX-APM 7/16 | 10064749 | PG 7 | M 16x1,5 | A | 25 |
| | EX-APM 9/12 | 10064750 | PG 9 | M 12x1,5 | A | 25 |
| | EX-APM 9/16 | 10064751 | PG 9 | M 16x1,5 | A | 25 |
| | EX-APM 9/20 | 10064752 | PG 9 | M 20x1,5 | A | 25 |
| | EX-APM 11/16 | 10064753 | PG 11 | M 16x1,5 | A | 25 |
| | EX-APM 11/20 | 10064754 | PG 11 | M 20x1,5 | A | 25 |
| | EX-APM 11/25 | 10064755 | PG 11 | M 25x1,5 | A | 25 |
| | EX-APM 13,5/16 | 10064756 | PG 13,5 | M 16x1,5 | A | 25 |
| | EX-APM 13,5/20 | 10064757 | PG 13,5 | M 20x1,5 | A | 25 |
|  Form B | EX-APM 13,5/25 | 10064758 | PG 13,5 | M 25x1,5 | A | 25 |
| | EX-APM 16/20 | 10064759 | PG 16 | M 20x1,5 | A | 25 |
| | EX-APM 16/25 | 10064760 | PG 16 | M 25x1,5 | A | 25 |
| | EX-APM 16/32 | 10064761 | PG 16 | M 32x1,5 | A | 25 |
| | EX-APM 21/20 | 10064762 | PG 21 | M 20x1,5 | B | 10 |
| | EX-APM 21/25 | 10064763 | PG 21 | M 25x1,5 | A | 10 |
| | EX-APM 21/32 | 10064764 | PG 21 | M 32x1,5 | A | 10 |
| | EX-APM 21/40 | 10064765 | PG 21 | M 40x1,5 | A | 10 |
| | EX-APM 29/20 | 10064766 | PG 29 | M 20x1,5 | B | 10 |
| | EX-APM 29/25 | 10064767 | PG 29 | M 25x1,5 | B | 10 |
| Cable Entries | EX-APM 29/32 | 10064768 | PG 29 | M 32x1,5 | B | 10 |
| | EX-APM 29/40 | 10064769 | PG 29 | M 40x1,5 | A | 10 |
| | EX-APM 29/50 | 10064770 | PG 29 | M 50x1,5 | A | 10 |
| | EX-APM 36/20 | 10064771 | PG 36 | M 20x1,5 | B | 10 |
| | EX-APM 36/25 | 10064772 | PG 36 | M 25x1,5 | B | 10 |
| | EX-APM 36/32 | 10064773 | PG 36 | M 32x1,5 | B | 10 |
| | EX-APM 36/40 | 10064774 | PG 36 | M 40x1,5 | B | 10 |
| | EX-APM 36/50 | 10064775 | PG 36 | M 50x1,5 | A | 10 |
| | EX-APM 36/63 | 10064776 | PG 36 | M 63x1,5 | A | 10 |
| | EX-APM 42/20 | 10064777 | PG 42 | M 20x1,5 | B | 5 |
| Cable Protection | EX-APM 42/25 | 10064778 | PG 42 | M 25x1,5 | B | 5 |
| | EX-APM 42/32 | 10064779 | PG 42 | M 32x1,5 | B | 5 |
| | EX-APM 42/40 | 10064780 | PG 42 | M 40x1,5 | B | 5 |
| | EX-APM 42/50 | 10064781 | PG 42 | M 50x1,5 | A | 5 |
| | EX-APM 42/63 | 10064782 | PG 42 | M 63x1,5 | A | 5 |
| | EX-APM 48/20 | 10064783 | PG 48 | M 20x1,5 | B | 5 |
| | EX-APM 48/25 | 10064784 | PG 48 | M 25x1,5 | B | 5 |
| | EX-APM 48/32 | 10064785 | PG 48 | M 32x1,5 | B | 5 |
| | EX-APM 48/40 | 10064786 | PG 48 | M 40x1,5 | B | 5 |
| | EX-APM 48/50 | 10064787 | PG 48 | M 50x1,5 | B | 5 |
| Junction Boxes | EX-APM 48/63 | 10064788 | PG 48 | M 63x1,5 | A | 5 |


EX Reduction adaptors, EX-KRM, polyamide, metric-metric



Marking
Approval
Protection class

Ex eb, Ex tb
IECEX, ATEX
IP66 / IP68 (5 bar 30 min)

Temperature range -40 °C - 75 °C
Material Polyamide, fibre reinforced,
Gasket EPDM

|  | Type | RAL 9005 | Thread from | Thread to | Form | PU |
|---|--------------|----------|-------------|-----------|------|-----|
| | EX-KRM 16/12 | 10064720 | M 16x1,5 | M 12x1,5 | A | 100 |
| EX-KRM 20/12 | 10064721 | M 20x1,5 | M 12x1,5 | B | 100 | |
| EX-KRM 20/16 | 10064722 | M 20x1,5 | M 16x1,5 | A | 100 | |
| EX-KRM 25/12 | 10064723 | M 25x1,5 | M 12x1,5 | B | 100 | |
| EX-KRM 25/16 | 10064724 | M 25x1,5 | M 16x1,5 | B | 100 | |
| EX-KRM 25/20 | 10064725 | M 25x1,5 | M 20x1,5 | B | 100 | |
| EX-KRM 32/16 | 10064726 | M 32x1,5 | M 16x1,5 | B | 50 | |
| EX-KRM 32/20 | 10064727 | M 32x1,5 | M 20x1,5 | B | 50 | |
| EX-KRM 32/25 | 10064728 | M 32x1,5 | M 25x1,5 | B | 50 | |
| EX-KRM 40/20 | 10064729 | M 40x1,5 | M 20x1,5 | B | 25 | |
| EX-KRM 40/25 | 10064730 | M 40x1,5 | M 25x1,5 | B | 25 | |
| EX-KRM 40/32 | 10064731 | M 40x1,5 | M 32x1,5 | B | 25 | |
| EX-KRM 50/20 | 10064732 | M 50x1,5 | M 20x1,5 | B | 5 | |
| EX-KRM 50/25 | 10064733 | M 50x1,5 | M 25x1,5 | B | 5 | |
| EX-KRM 50/32 | 10064734 | M 50x1,5 | M 32x1,5 | B | 5 | |
| EX-KRM 50/40 | 10064735 | M 50x1,5 | M 40x1,5 | B | 5 | |
| EX-KRM 63/20 | 10064736 | M 63x1,5 | M 20x1,5 | B | 5 | |
| EX-KRM 63/25 | 10064737 | M 63x1,5 | M 25x1,5 | B | 5 | |
| EX-KRM 63/32 | 10064738 | M 63x1,5 | M 32x1,5 | B | 5 | |
| EX-KRM 63/40 | 10064739 | M 63x1,5 | M 40x1,5 | B | 5 | |
| EX-KRM 63/50 | 10064740 | M 63x1,5 | M 50x1,5 | B | 5 | |


EX enlargement adaptor, EX-KEM, polyamide, metric-metric



Marking
Approval
Protection class

Ex eb, Ex tb
IECEX, ATEX
IP66

Temperature range -20 °C - 70 °C
Material Polyamide, fibre reinforced

|  | Type | RAL 9005 | Thread from | Thread to | PU |
|---|--------------|----------|-------------|-----------|-----|
| | EX-KEM 12/16 | 10064741 | M 12x1,5 | M 16x1,5 | 100 |
| EX-KEM 16/20 | 10064742 | M 16x1,5 | M 20x1,5 | 100 | |
| EX-KEM 20/25 | 10064743 | M 20x1,5 | M 25x1,5 | 100 | |
| EX-KEM 25/32 | 10064744 | M 25x1,5 | M 32x1,5 | 100 | |
| EX-KEM 32/40 | 10064745 | M 32x1,5 | M 40x1,5 | 50 | |
| EX-KEM 40/50 | 10064746 | M 40x1,5 | M 50x1,5 | 25 | |
| EX-KEM 50/63 | 10064747 | M 50x1,5 | M 63x1,5 | 5 | |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

EX Stop ends, EX-EVSG, polyamide, metric



Marking Ex eb, Ex tb
Approval IECEX, ATEX
Protection class IP66 / IP68 (5 bar 30 min)

Temperature range -40 °C · 75 °C
Material Polyamide

EX-EVSG, Gasket EPDM

| Type | RAL 9005 | Threat | PU |
|------------|----------|----------|-----|
| EX-EVSG 12 | 10065300 | M 12x1,5 | 100 |
| EX-EVSG 16 | 10065301 | M 16x1,5 | 100 |
| EX-EVSG 20 | 10065302 | M 20x1,5 | 100 |
| EX-EVSG 25 | 10065303 | M 25x1,5 | 100 |
| EX-EVSG 32 | 10065304 | M 32x1,5 | 50 |
| EX-EVSG 40 | 10065305 | M 40x1,5 | 30 |
| EX-EVSG 50 | 10065306 | M 50x1,5 | 30 |
| EX-EVSG 63 | 10065307 | M 63x1,5 | 30 |
| EX-EVSG 75 | 10065308 | M 75x1,5 | 2 |

EX-EVSG LT, LowTemp, Gasket Silicone

| | | | |
|---------------|----------|----------|-----|
| EX-EVSG 12 LT | 10109529 | M 12x1,5 | 100 |
| EX-EVSG 16 LT | 10109530 | M 16x1,5 | 100 |
| EX-EVSG 20 LT | 10109531 | M 20x1,5 | 100 |
| EX-EVSG 25 LT | 10109532 | M 25x1,5 | 100 |
| EX-EVSG 32 LT | 10109533 | M 32x1,5 | 50 |
| EX-EVSG 40 LT | 10109534 | M 40x1,5 | 30 |
| EX-EVSG 50 LT | 10109535 | M 50x1,5 | 30 |
| EX-EVSG 63 LT | 10109536 | M 63x1,5 | 30 |
| EX-EVSG 75 LT | 10109537 | M 75x1,5 | 2 |

SPRINT® ATEX Cable glands, EMSKE, brass nickel-plated, metric




Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C


Material

Gland Brass nickel-plated,
Clamping cage Polyamide,
Gasket EPDM

EMSKE

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|----------|-----------|----------|---------------|----|
| | EMSKE 12 | 10065040 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE 16 | 10065041 | M 16x1,5 | 5 - 10 | 50 | |
| EMSKE 20 | 10065042 | M 20x1,5 | 6 - 13 | 50 | |
| EMSKE 25 | 10065043 | M 25x1,5 | 10 - 17 | 50 | |
| EMSKE 32 | 10065044 | M 32x1,5 | 13 - 21 | 25 | |
| EMSKE 40 | 10065045 | M 40x1,5 | 16 - 28 | 10 | |
| EMSKE 50 | 10065046 | M 50x1,5 | 21 - 35 | 10 | |
| EMSKE 63 | 10065047 | M 63x1,5 | 34 - 48 | 10 | |
| EMSKE 75 | 10104386 | M 75x1,5 | 48 - 62 | 1 | |

EMSKE-L, long thread

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|--|------------|-----------|----------|---------------|----|
| | EMSKE-L 12 | 10065048 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE-L 16 | 10065049 | M 16x1,5 | 5 - 10 | 50 | |
| EMSKE-L 20 | 10065050 | M 20x1,5 | 6 - 13 | 50 | |
| EMSKE-L 25 | 10065051 | M 25x1,5 | 10 - 17 | 50 | |
| EMSKE-L 32 | 10065052 | M 32x1,5 | 13 - 21 | 25 | |
| EMSKE-L 40 | 10065053 | M 40x1,5 | 16 - 28 | 10 | |
| EMSKE-L 50 | 10065054 | M 50x1,5 | 21 - 35 | 10 | |
| EMSKE-L 63 | 10065055 | M 63x1,5 | 34 - 48 | 10 | |


SPRINT® EX Cable gland, NMSKE, brass nickel-plated, NPT



Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C

Material

Gland Brass nickel-plated,
Clamping cage Polyamide,
Gasket EPDM

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|-----------|------------|----------|---------------|----|
| | NMSKE 1/4 | 10101082 | NPT 1/4" | 4 - 7 | 50 |
| NMSKE 3/8 | 10101083 | NPT 3/8" | 5 - 10 | 50 | |
| NMSKE 1/2 | 10101084 | NPT 1/2" | 6 - 13 | 50 | |
| NMSKE 3/4 | 10101085 | NPT 3/4" | 10 - 17 | 50 | |
| NMSKE 1 | 10101086 | NPT 1" | 13 - 21 | 25 | |
| NMSKE 1 1/4 | 10101087 | NPT 1 1/4" | 16 - 28 | 10 | |
| NMSKE 1 1/2 | 10101088 | NPT 1 1/2" | 21 - 35 | 10 | |
| NMSKE 2 | 10101089 | NPT 2" | 34 - 48 | 10 | |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T


**SPRINT® EX Cable glands LowTemp,
EMSKE LT, brass nickel-plated, metric**


Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -60 °C - 75 °C


Material

Gland Brass nickel-plated
 Clamping cage Polyamide,
 Gasket Silicone

EMSKE LT

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | EMSKE 12 LT | 10065946 | M 12x1,5 | 4 - 7 | 50 |
| | EMSKE 16 LT | 10065947 | M 16x1,5 | 5 - 10 | 50 |
| | EMSKE 20 LT | 10065948 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKE 25 LT | 10065949 | M 25x1,5 | 10 - 17 | 50 |
| | EMSKE 32 LT | 10065950 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKE 40 LT | 10065951 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKE 50 LT | 10065952 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKE 63 LT | 10065953 | M 63x1,5 | 34 - 48 | 10 |

EMSKE-L LT, long thread


|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|--|---------------|-----------|----------|---------------|----|
| | EMSKE-L 12 LT | 10065938 | M 12x1,5 | 4 - 7 | 50 |
| | EMSKE-L 16 LT | 10065939 | M 16x1,5 | 5 - 10 | 50 |
| | EMSKE-L 20 LT | 10065940 | M 20x1,5 | 6 - 13 | 50 |
| | EMSKE-L 25 LT | 10065941 | M 25x1,5 | 10 - 17 | 50 |
| | EMSKE-L 32 LT | 10065942 | M 32x1,5 | 13 - 21 | 25 |
| | EMSKE-L 40 LT | 10065943 | M 40x1,5 | 16 - 28 | 10 |
| | EMSKE-L 50 LT | 10065944 | M 50x1,5 | 21 - 35 | 10 |
| | EMSKE-L 63 LT | 10065945 | M 63x1,5 | 34 - 48 | 10 |

**SPRINT® EX Cable gland with external
strain relief, EMSKEZ, metric**


Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C

Material

Gland Brass nickel-plated,
 Clamping cage Polyamide,
 Gasket EPDM

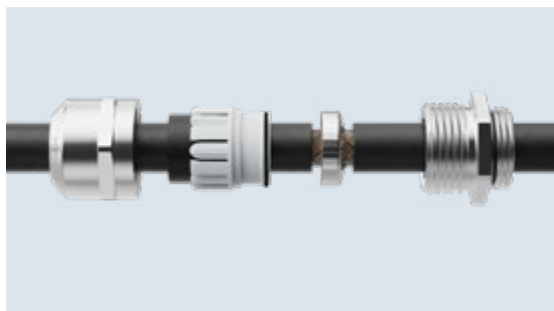
|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|-----------|-----------|----------|---------------|----|
| | EMSKEZ 16 | 10063071 | M 16x1,5 | 6,5 - 10 | 25 |
| | EMSKEZ 20 | 10063072 | M 20x1,5 | 8 - 13 | 25 |
| | EMSKEZ 25 | 10063073 | M 25x1,5 | 10 - 17 | 25 |
| | EMSKEZ 32 | 10063074 | M 32x1,5 | 16 - 21 | 25 |
| | EMSKEZ 40 | 10063075 | M 40x1,5 | 18 - 28 | 10 |
| | EMSKEZ 50 | 10063076 | M 50x1,5 | 22 - 35 | 10 |
| | EMSKEZ 63 | 10063077 | M 63x1,5 | 35 - 48 | 10 |

SPRINT® EX EMC Cable glands with contact spring insert, EMSKE EMV-S


Marking Ex tb, Ex eb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C

Material

Gland Brass nickel-plated,
 Clamping cage Polyamide,
 Contact spring insert
 Stainless steel 1.4310,
 Gasket EPDM

EMSKE EMV-S, metric

| Type | Order No. | Threat | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| EMSKE 12 EMV-S | 10102971 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE 16 EMV-S | 10102972 | M 16x1,5 | 5 - 10 | 50 |
| EMSKE 20 EMV-S | 10102973 | M 20x1,5 | 6 - 13 | 50 |
| EMSKE 25 EMV-S | 10102974 | M 25x1,5 | 10 - 17 | 50 |
| EMSKE 32 EMV-S | 10102975 | M 32x1,5 | 13 - 21 | 25 |
| EMSKE 40 EMV-S | 10102976 | M 40x1,5 | 16 - 28 | 10 |
| EMSKE 50 EMV-S | 10102977 | M 50x1,5 | 21 - 35 | 10 |
| EMSKE 63 EMV-S | 10102978 | M 63x1,5 | 34 - 48 | 10 |

EMSKE-L EMV-S, metric, long thread

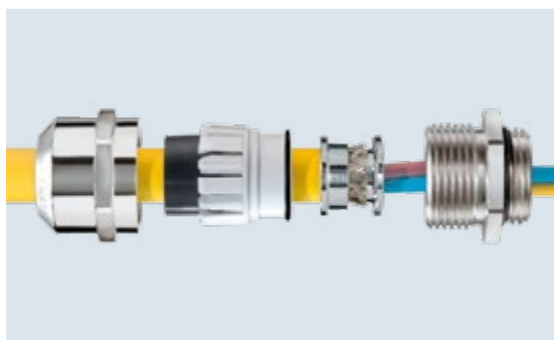
| | | | | |
|------------------|----------|----------|---------|----|
| EMSKE-L 12 EMV-S | 10109986 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE-L 16 EMV-S | 10109987 | M 16x1,5 | 5 - 10 | 50 |
| EMSKE-L 20 EMV-S | 10109988 | M 20x1,5 | 6 - 13 | 50 |
| EMSKE-L 25 EMV-S | 10109989 | M 25x1,5 | 10 - 17 | 50 |
| EMSKE-L 32 EMV-S | 10109990 | M 32x1,5 | 13 - 21 | 25 |
| EMSKE-L 40 EMV-S | 10109991 | M 40x1,5 | 16 - 28 | 10 |
| EMSKE-L 50 EMV-S | 10109992 | M 50x1,5 | 21 - 35 | 10 |
| EMSKE-L 63 EMV-S | 10109993 | M 63x1,5 | 34 - 48 | 10 |

SPRINT® EX EMC Cable glands with earthing cones DIN 89345, EMSKE EMV-Z

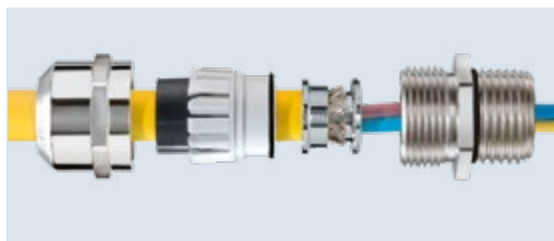

Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C

Material

Gland Brass nickel-plated,
 Clamping cage Polyamide,
 Contact spring insert Brass
 chromium-plated, Gasket EPDM

EMSKE EMV-Z, metric


| Type | Order No. | Threat | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| EMSKE 12 EMV-Z | 10065056 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE 16 EMV-Z | 10065057 | M 16x1,5 | 5 - 10 | 50 |
| EMSKE 20 EMV-Z | 10065058 | M 20x1,5 | 6 - 13 | 50 |
| EMSKE 25 EMV-Z | 10065059 | M 25x1,5 | 10 - 17 | 50 |
| EMSKE 32 EMV-Z | 10065060 | M 32x1,5 | 13 - 21 | 25 |
| EMSKE 40 EMV-Z | 10065061 | M 40x1,5 | 16 - 28 | 10 |
| EMSKE 50 EMV-Z | 10065062 | M 50x1,5 | 21 - 35 | 10 |
| EMSKE 63 EMV-Z | 10065063 | M 63x1,5 | 34 - 48 | 10 |
| EMSKE 75 EMV-Z | 10104143 | M75X1,5 | 48 - 62 | 1 |

EMSKE-L EMV-Z, metric, long thread

| | | | | |
|------------------|----------|----------|---------|----|
| EMSKE-L 12 EMV-Z | 10065922 | M 12x1,5 | 4 - 7 | 50 |
| EMSKE-L 16 EMV-Z | 10065923 | M 16x1,5 | 5 - 10 | 50 |
| EMSKE-L 20 EMV-Z | 10065924 | M 20x1,5 | 6 - 13 | 50 |
| EMSKE-L 25 EMV-Z | 10065925 | M 25x1,5 | 10 - 17 | 50 |
| EMSKE-L 32 EMV-Z | 10065926 | M 32x1,5 | 13 - 21 | 25 |
| EMSKE-L 40 EMV-Z | 10065927 | M 40x1,5 | 16 - 28 | 10 |
| EMSKE-L 50 EMV-Z | 10065928 | M 50x1,5 | 21 - 35 | 10 |
| EMSKE-L 63 EMV-Z | 10065929 | M 63x1,5 | 34 - 48 | 10 |


EX Stop ends, EX-EMVS,
 brass nickel-plated, metric


| | | | |
|--------------------------|----------------------------|-----------------|----------------------|
| Marking | Ex e, Ex tb | Material | Brass nickel-plated, |
| Approval | IECEX, ATEX | | Gasket EPDM |
| Protection class | IP66 / IP68 (5 bar 30 min) | | |
| Temperature range | -40 °C · 120 °C | | |

|  | Type | Order No. | Threat | PU |
|---|------------|-----------|----------|----|
| | EX-EMVS 12 | 10065331 | M 12x1,5 | 10 |
| | EX-EMVS 16 | 10065332 | M 16x1,5 | 10 |
| | EX-EMVS 20 | 10065333 | M 20x1,5 | 10 |
| | EX-EMVS 25 | 10065334 | M 25x1,5 | 10 |
| | EX-EMVS 32 | 10065335 | M 32x1,5 | 5 |
| | EX-EMVS 40 | 10065336 | M 40x1,5 | 5 |
| | EX-EMVS 50 | 10065337 | M 50x1,5 | 1 |
| | EX-EMVS 63 | 10065338 | M 63x1,5 | 1 |

EX stop ends LowTemp, EX-EMVS LT,
 brass nickel-plated, metric


| | | | |
|--------------------------|----------------------------|-----------------|----------------------|
| Marking | Ex e, Ex tb | Material | Brass nickel-plated, |
| Approval | IECEX, ATEX | | Gasket Silicone |
| Protection class | IP66 / IP68 (5 bar 30 min) | | |
| Temperature range | -60 °C · 120 °C | | |

|  | Type | Order No. | Threat | PU |
|---|---------------|-----------|----------|----|
| | EX-EMVS 12 LT | 10109790 | M 12x1,5 | 10 |
| | EX-EMVS 16 LT | 10109791 | M 16x1,5 | 10 |
| | EX-EMVS 20 LT | 10109792 | M 20x1,5 | 10 |
| | EX-EMVS 25 LT | 10109559 | M 25x1,5 | 10 |
| | EX-EMVS 32 LT | 10109793 | M 32x1,5 | 5 |
| | EX-EMVS 40 LT | 10109794 | M 40x1,5 | 5 |
| | EX-EMVS 50 LT | 10109795 | M 50x1,5 | 1 |
| | EX-EMVS 63 LT | 10109796 | M 63x1,5 | 1 |

SPRINT® EX Cable glands, ESSKE, stainless steel, metric




Marking Ex tb, Ex eb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -40 °C - 75 °C


Material

Gland Stainless steel,
Clamping cage Polyamide,
Gasket EPDM

ESSKE, stainless steel A2 1.4305

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|----------|-----------|----------|---------------|----|
| | ESSKE 12 | 10069200 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE 16 | 10069201 | M 16x1,5 | 5 - 10 | 10 | |
| ESSKE 20 | 10069202 | M 20x1,5 | 6 - 13 | 10 | |
| ESSKE 25 | 10069203 | M 25x1,5 | 10 - 17 | 10 | |
| ESSKE 32 | 10069204 | M 32x1,5 | 13 - 21 | 5 | |
| ESSKE 40 | 10069205 | M 40x1,5 | 16 - 28 | 5 | |
| ESSKE 50 | 10069206 | M 50x1,5 | 21 - 35 | 2 | |
| ESSKE 63 | 10069207 | M 63x1,5 | 34 - 48 | 1 | |

ESSKE-4, stainless steel A4 1.4404

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|--|------------|-----------|----------|---------------|----|
| | ESSKE-4 12 | 10069232 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE-4 16 | 10069233 | M 16x1,5 | 5 - 10 | 10 | |
| ESSKE-4 20 | 10069234 | M 20x1,5 | 6 - 13 | 10 | |
| ESSKE-4 25 | 10069235 | M 25x1,5 | 10 - 17 | 10 | |
| ESSKE-4 32 | 10069236 | M 32x1,5 | 13 - 21 | 5 | |
| ESSKE-4 40 | 10069237 | M 40x1,5 | 16 - 28 | 5 | |
| ESSKE-4 50 | 10069238 | M 50x1,5 | 21 - 35 | 2 | |
| ESSKE-4 63 | 10069239 | M 63x1,5 | 34 - 48 | 1 | |

SPRINT® EX Cable glands LowTemp, ESSKE LT, stainless steel, metric




Marking Ex tb, Ex eb
Approval ATEX, IECEx
Protection class IP66 / IP68 (5 bar 30 min)
Temperature range -60 °C - 75 °C


Material

Gland Stainless steel,
Clamping cage Polyamide,
Gasket Silicone

ESSKE LT, stainless steel A2 1.4305

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | ESSKE 12 LT | 10065986 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE 16 LT | 10065987 | M 16x1,5 | 5 - 10 | 10 | |
| ESSKE 20 LT | 10065988 | M 20x1,5 | 6 - 13 | 10 | |
| ESSKE 25 LT | 10065989 | M 25x1,5 | 10 - 17 | 10 | |
| ESSKE 32 LT | 10065990 | M 32x1,5 | 13 - 21 | 5 | |
| ESSKE 40 LT | 10065991 | M 40x1,5 | 16 - 28 | 5 | |
| ESSKE 50 LT | 10065992 | M 50x1,5 | 21 - 35 | 2 | |

ESSKE-4 LT, stainless steel A4 1.4404

|  | Type | Order No. | Threat | Ø Cable in mm | PU |
|---|---------------|-----------|----------|---------------|----|
| | ESSKE-4 12 LT | 10065389 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE-4 16 LT | 10065390 | M 16x1,5 | 5 - 10 | 10 | |
| ESSKE-4 20 LT | 10065391 | M 20x1,5 | 6 - 13 | 10 | |
| ESSKE-4 25 LT | 10065392 | M 25x1,5 | 10 - 17 | 10 | |
| ESSKE-4 32 LT | 10065393 | M 32x1,5 | 13 - 21 | 5 | |
| ESSKE-4 40 LT | 10065394 | M 40x1,5 | 16 - 28 | 5 | |
| ESSKE-4 50 LT | 10065395 | M 50x1,5 | 21 - 35 | 2 | |
| ESSKE-4 63 LT | 10065396 | M 63x1,5 | 34 - 48 | 1 | |

SPRINT® EX EMC Cable glands with earthing cones DIN 89345, ESSKE EMV-Z


Marking Ex eb, Ex tb
Approval ATEX, IECEx
Protection class IP68 (5 bar 30 min) / IP66
Temperature range -40 °C - 75 °C

Material Gland Stainless steel,
 Clamping cage Polyamide,
 Gasket EPDM

ESSKE EMV-Z, stainless steel A2 1.4305, metric

| Type | Order No. | Threat | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| ESSKE 12 EMV-Z | 10069216 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE 16 EMV-Z | 10069217 | M 16x1,5 | 5 - 10 | 10 |
| ESSKE 20 EMV-Z | 10069218 | M 20x1,5 | 6 - 13 | 10 |
| ESSKE 25 EMV-Z | 10069219 | M 25x1,5 | 10 - 17 | 10 |
| ESSKE 32 EMV-Z | 10069220 | M 32x1,5 | 13 - 21 | 5 |
| ESSKE 40 EMV-Z | 10069221 | M 40x1,5 | 16 - 28 | 5 |
| ESSKE 50 EMV-Z | 10069222 | M 50x1,5 | 21 - 35 | 2 |
| ESSKE 63 EMV-Z | 10069223 | M 63x1,5 | 34 - 48 | 1 |

ESSKE-4 EMV-Z, stainless steel A4 1.4404, metric

| | | | | |
|------------------|----------|----------|---------|----|
| ESSKE-4 12 EMV-Z | 10069248 | M 12x1,5 | 4 - 7 | 10 |
| ESSKE-4 16 EMV-Z | 10069249 | M 16x1,5 | 5 - 10 | 10 |
| ESSKE-4 20 EMV-Z | 10069250 | M 20x1,5 | 6 - 13 | 10 |
| ESSKE-4 25 EMV-Z | 10069251 | M 25x1,5 | 10 - 17 | 10 |
| ESSKE-4 32 EMV-Z | 10069252 | M 32x1,5 | 13 - 21 | 5 |
| ESSKE-4 40 EMV-Z | 10069253 | M 40x1,5 | 16 - 28 | 5 |
| ESSKE-4 50 EMV-Z | 10069254 | M 50x1,5 | 21 - 35 | 2 |
| ESSKE-4 63 EMV-Z | 10069255 | M 63x1,5 | 34 - 48 | 1 |

EX d Cable gland for non-armoured cables, OS-A2F-U, brass nickel-plated, metric



Marking Ex eb, Ex tbEx db
Approval IECEX, ATEX
Protection class IP66 / IP67
Temperature range -60 °C - 110 °C

Material

Gland Brass nickel-plated,
Gasket Silicone



| Type | Order No. | Threat | Ø Cable in mm | PU |
|--------------------|-----------|----------|---------------|----|
| OS-A2F-U 16 / M16 | 50107568 | M 16x1,5 | 3 - 7 | 1 |
| OS-A2F-U 16X / M16 | 50107569 | M 16x1,5 | 5 - 10,3 | 1 |
| OS-A2F-U 16X / M20 | 50108019 | M 20x1,5 | 5 - 10,3 | 1 |
| OS-A2F-U 20 / M20 | 50107570 | M 20x1,5 | 9 - 15,3 | 1 |
| OS-A2F-U 25 / M25 | 50107571 | M 25x1,5 | 13 - 20 | 1 |
| OS-A2F-U 32 / M32 | 50107572 | M 25x1,5 | 17 - 26,5 | 1 |
| OS-A2F-U 40 / M40 | 50107573 | M 40x1,5 | 22 - 32 | 1 |
| OS-A2F-U 50 / M50 | 50107574 | M 50x1,5 | 30 - 42 | 1 |
| OS-A2F-U 63 / M63 | 50107575 | M 63x1,5 | 39 - 51 | 1 |
| OS-A2F-U 63X / M63 | 50107576 | M 63x1,5 | 46 - 55 | 1 |
| OS-A2F-U 75 / M75 | 50107577 | M 75x1,5 | 54 - 61 | 1 |
| OS-A2F-U 75X / M75 | 50107578 | M 75x1,5 | 58 - 68 | 1 |

EX d Cable gland for armoured cables, OS-E1UF, brass nickel-plated, metric



Marking Ex eb, Ex tbEx db
Approval IECEX, ATEX
Protection class IP66 / IP67
Temperature range -60 °C - 110 °C

Material

Gland Brass nickel-plated,
Gasket Silicone



| Type | Order No. | Threat | Ø Cable in mm | PU |
|-------------------|-----------|----------|---------------|----|
| OS-E1UF 16 / M16 | 50107579 | M 16x1,5 | 9 - 15,5 | 1 |
| OS-E1UF 20 / M20 | 50107580 | M 20x1,5 | 13,2 - 20,5 | 1 |
| OS-E1UF 25 / M25 | 50107581 | M 25x1,5 | 17 - 26 | 1 |
| OS-E1UF 32 / M32 | 50107582 | M 32x1,5 | 24 - 33,5 | 1 |
| OS-E1UF 40 / M40 | 50107583 | M 40x1,5 | 30 - 41,5 | 1 |
| OS-E1UF 50 / M50 | 50107584 | M 50x1,5 | 38 - 50 | 1 |
| OS-E1UF 63 / M63 | 50107585 | M 63x1,5 | 45 - 60 | 1 |
| OS-E1UF 63X / M63 | 50107586 | M 63x1,5 | 55 - 66 | 1 |
| OS-E1UF 75 / M75 | 50107587 | M 75x1,5 | 58 - 72 | 1 |
| OS-E1UF 75X / M75 | 50107588 | M 75x1,5 | 66,1 - 79 | 1 |

EX d Stop end, OSSP, brass nickel-plated, metric



Marking Ex eb, Ex dbEx tb
Approval ATEX, IECEx
Protection class IP66 / IP67
Temperature range -60 °C - 120 °C

Material

Gasket CR, Brass nickel-plated



| Type | Order No. | Thread | PU |
|-----------------|-----------|----------|----|
| OSSP-R 16 / M16 | 50065610 | M 16x1,5 | 1 |
| OSSP-R 20 / M20 | 50065611 | M 20x1,5 | 1 |
| OSSP-R 25 / M25 | 50065612 | M 25x1,5 | 1 |
| OSSP-R 32 / M32 | 50065613 | M 32x1,5 | 1 |
| OSSP-R 40 / M40 | 50065614 | M 40x1,5 | 1 |
| OSSP-R 50 / M50 | 50065615 | M 50x1,5 | 1 |
| OSSP-R 63 / M63 | 50065616 | M 63x1,5 | 1 |
| OSSP-R 75 / M75 | 50065617 | M 75x1,5 | 1 |

EX d Reduction adaptor, OSRA, brass nickel-plated, metric-metric



Marking Ex eb, Ex tbEx db
Approval IECEx, ATEX
Protection class IP66 / IP67
Temperature range -60 °C - 110 °C

Material

Brass nickel-plated



| Type | Order No. | Outer Thread | Inner Thread | PU |
|-------------------------|-----------|--------------|--------------|----|
| OSRA 20 / M20(M)*M16(F) | 50065650 | M 20x1,5 | M 16x1,5 | 1 |
| OSRA 25 / M25(M)*M16(F) | 50065651 | M 25x1,5 | M 16x1,5 | 1 |
| OSRA 25 / M25(M)*M20(F) | 50065652 | M 25x1,5 | M 20x1,5 | 1 |
| OSRA 32 / M32(M)*M16(F) | 50065653 | M 32x1,5 | M 16x1,5 | 1 |
| OSRA 32 / M32(M)*M20(F) | 50065654 | M 32x1,5 | M 20x1,5 | 1 |
| OSRA 32 / M32(M)*M25(F) | 50065655 | M 32x1,5 | M 25x1,5 | 1 |
| OSRA 40 / M40(M)*M20(F) | 50065656 | M 40x1,5 | M 20x1,5 | 1 |
| OSRA 40 / M40(M)*M25(F) | 50065657 | M 40x1,5 | M 25x1,5 | 1 |
| OSRA 40 / M40(M)*M32(F) | 50065658 | M 40x1,5 | M 32x1,5 | 1 |
| OSRA 50 / M50(M)*M25(F) | 50065659 | M 50x1,5 | M 25x1,5 | 1 |
| OSRA 50 / M50(M)*M32(F) | 50065660 | M 50x1,5 | M 32x1,5 | 1 |
| OSRA 50 / M50(M)*M40(F) | 50065661 | M 50x1,5 | M 40x1,5 | 1 |
| OSRA 63 / M63(M)*M32(F) | 50065662 | M 63x1,5 | M 32x1,5 | 1 |
| OSRA 63 / M63(M)*M40(F) | 50065663 | M 63x1,5 | M 40x1,5 | 1 |
| OSRA 63 / M63(M)*M50(F) | 50065664 | M 63x1,5 | M 50x1,5 | 1 |
| OSRA 75 / M75(M)*M40(F) | 50065665 | M 75x1,5 | M 40x1,5 | 1 |
| OSRA 75 / M75(M)*M50(F) | 50065666 | M 75x1,5 | M 50x1,5 | 1 |
| OSRA 75 / M75(M)*M63(F) | 50065667 | M 75x1,5 | M 63x1,5 | 1 |

Earth tag, OSET, brass

**Material** Brass nickel-plated

| Type | Order No. | For Cable gland | PU |
|---------------|-----------|-----------------|----|
| OSET 16 / M16 | 50065634 | M 16 | 1 |
| OSET 20 / M20 | 50065635 | M 20 | 1 |
| OSET 25 / M25 | 50065636 | M 25 | 1 |
| OSET 32 / M32 | 50065637 | M 32 | 1 |
| OSET 40 / M40 | 50065638 | M 40 | 1 |
| OSET 50 / M50 | 50065639 | M 50 | 1 |
| OSET 63 / M63 | 50065640 | M 63 | 1 |
| OSET 75 / M75 | 50065641 | M 75 | 1 |

EX d Enlargement adaptor, OSAJ, brass nickel-plated, metric-metric



Marking Approval Ex eb, Ex dbEx tb
Protection class IECEX, ATEX
 IP66 / IP67
Temperature range -60 °C - 110 °C

Material

Brass nickel-plated



| Type | Order No. | Outer Threat | Inner Threat | PU |
|-------------------------|-----------|--------------|--------------|----|
| OSAJ 20 / M16(M)*M20(F) | 50065686 | M 16x1,5 | M 20x1,5 | 1 |
| OSAJ 25 / M16(M)*M25(F) | 50065687 | M 16x1,5 | M 25x1,5 | 1 |
| OSAJ 25 / M20(M)*M25(F) | 50065688 | M 20x1,5 | M 25x1,5 | 1 |
| OSAJ 32 / M16(M)*M32(F) | 50065689 | M 16x1,5 | M 32x1,5 | 1 |
| OSAJ 32 / M20(M)*M32(F) | 50065690 | M 20x1,5 | M 32x1,5 | 1 |
| OSAJ 32 / M25(M)*M32(F) | 50065691 | M 25x1,5 | M 32x1,5 | 1 |
| OSAJ 40 / M20(M)*M40(F) | 50065692 | M 20x1,5 | M 40x1,5 | 1 |
| OSAJ 40 / M25(M)*M40(F) | 50065693 | M 25x1,5 | M 40x1,5 | 1 |
| OSAJ 40 / M32(M)*M40(F) | 50065694 | M 32x1,5 | M 40x1,5 | 1 |
| OSAJ 50 / M25(M)*M50(F) | 50065695 | M 25x1,5 | M 50x1,5 | 1 |
| OSAJ 50 / M32(M)*M50(F) | 50065696 | M 32x1,5 | M 50x1,5 | 1 |
| OSAJ 50 / M40(M)*M50(F) | 50065697 | M 40x1,5 | M 50x1,5 | 1 |
| OSAJ 63 / M32(M)*M63(F) | 50065698 | M 32x1,5 | M 63x1,5 | 1 |
| OSAJ 63 / M40(M)*M63(F) | 50065699 | M 40x1,5 | M 63x1,5 | 1 |
| OSAJ 63 / M50(M)*M63(F) | 50065700 | M 50x1,5 | M 63x1,5 | 1 |
| OSAJ 75 / M40(M)*M75(F) | 50065701 | M 40x1,5 | M 75x1,5 | 1 |
| OSAJ 75 / M50(M)*M75(F) | 50065702 | M 50x1,5 | M 75x1,5 | 1 |
| OSAJ 75 / M63(M)*M75(F) | 50065703 | M 63x1,5 | M 75x1,5 | 1 |

Shrouds, OSSH, polyamide



Material CR

OSSH (A), type A



| Type | Order No. | For Cable gland | PU |
|----------|-----------|-----------------|----|
| OSSH-A16 | 50065626 | E1UF / W 16 | 1 |
| OSSH-A20 | 50065627 | E1UF / W 20 | 1 |
| OSSH-A25 | 50065628 | E1UF / W 25 | 1 |
| OSSH-A32 | 50065629 | E1UF / W 32 | 1 |
| OSSH-A40 | 50065630 | E1UF / W 40 | 1 |
| OSSH-A50 | 50065631 | E1UF / W 50 | 1 |
| OSSH-A63 | 50065632 | E1UF / W 63 | 1 |
| OSSH-A75 | 50065633 | E1UF / W 75 | 1 |

OSSH (B), type B



| | | | |
|----------|----------|-------|---|
| OSSH-B16 | 50065642 | A2F16 | 1 |
| OSSH-B20 | 50065643 | A2F20 | 1 |
| OSSH-B25 | 50065644 | A2F25 | 1 |
| OSSH-B32 | 50065645 | A2F32 | 1 |
| OSSH-B40 | 50065646 | A2F40 | 1 |
| OSSH-B50 | 50065647 | A2F50 | 1 |
| OSSH-B63 | 50065648 | A2F63 | 1 |
| OSSH-B75 | 50065649 | A2F75 | 1 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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Sealings

Our comprehensive range of reduction, multiple and special sealing inserts can be combined with all cable glands and materials from the SPRINT® cable gland system, meeting at least the IP66 standard. In addition to individual versions, we also offer various materials for special use, i.e. low temperatures.





Our products at a glance

Multiple seals (MFD) (Page 68 - 69)



Special sealing inserts (Page 70) (FFD, SFD, GFD)



Reduction sealing inserts (RDE) (Page 71)



Blind sealing inserts (VFD) (Page 71)



Connection thread gaskets (Page 72)



O-ring seals (Page 73)



Blind plugs (BS) (Page 73)



Explore more...



SPRINT® Multiple sealing insert, MFD



Protection class IP66 / IP68
Temperature range -40 °C · 100 °C
Material Thermoplastic elastomer

Remark IP68: Ø Cable diameter min. = Ø Cable diameter max. - 10%, but not bigger than 1 mm under the Ø Cable diameter max.

| | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|--|----------------------|----------|---------------|--------------------------|-----|
| | MFD 12/01/015 | 10102489 | 0,5 · 1,5 | SPRINT® 12 | 25 |
| | MFD 12/02/020 | 10100525 | 1 · 2 | SPRINT® 12 | 25 |
| | MFD 12/04/020 | 10064392 | 1 · 2 | SPRINT® 12 | 25 |
| | MFD 16/02/016 | 10111788 | 0,6 · 1,6 | SPRINT® 16 | 25 |
| | MFD 16/02/040 | 10064393 | 2 · 4 | SPRINT® 16 | 25 |
| | MFD 16/03/016 | 10111789 | 0,6 · 1,6 | SPRINT® 16 | 25 |
| | MFD 16/02/045 | 10110903 | 2,5 · 4,5 | SPRINT® 16 | 25 |
| | MFD 16/03/021 | 10101014 | 1 · 2,1 | SPRINT® 16 | 25 |
| | MFD 16/03/025 | 10103165 | 1 · 2,5 | SPRINT® 16 | 25 |
| | MFD 16/03/030 | 10103716 | 1 · 3 | SPRINT® 16 | 25 |
| | MFD 16/04/025 | 10109239 | 1 · 2,5 | SPRINT® 16 | 25 |
| | MFD 16/05/020 | 10105950 | 1 · 2 | SPRINT® 16 | 25 |
| | MFD 20/01/040 | 10111948 | 2 · 4 | SPRINT® 20 | 25 |
| | MFD 20/01/060 | 10102387 | 4 · 6 | SPRINT® 20 | 25 |
| | MFD 20/01/075-02/021 | 10104887 | 1 · 7,5 | SPRINT® 20 | 25 |
| | MFD 20/01/090 | 10102841 | 7 · 9 | SPRINT® 20 | 25 |
| | MFD 20/01/075-02/021 | 10104888 | 1 · 4,8 | SPRINT® 20 | 25 |
| | MFD 20/02/045-02/030 | 10105643 | 1,5 · 4,5 | SPRINT® 20 | 25 |
| | MFD 20/02/025 | 10109287 | 1 · 2,5 | SPRINT® 20 | 25 |
| | MFD 20/02/040 | 10109614 | 2 · 4 | SPRINT® 20 | 25 |
| | MFD 20/02/050 | 10101015 | 3 · 5 | SPRINT® 20 | 25 |
| | MFD 20/02/060 | 10064395 | 4 · 6 | SPRINT® 20 | 25 |
| | MFD 20/02/065 | 10060953 | 4,5 · 6,5 | SPRINT® 20 | 25 |
| | MFD 20/03/040 | 10064341 | 2,5 · 4 | SPRINT® 20 | 25 |
| | MFD 20/03/045 | 10102306 | 2,5 · 4,5 | SPRINT® 20 | 25 |
| | MFD 20/03/048 | 10104156 | 3 · 4,8 | SPRINT® 20 | 25 |
| | MFD 20/03/055 | 10105412 | 3,5 · 5,5 | SPRINT® 20 | 25 |
| | MFD 20/04/030 | 10102722 | 1 · 3 | SPRINT® 20 | 25 |
| | MFD 20/04/040 | 10106843 | 2 · 4 | SPRINT® 20 | 25 |
| | MFD 20/05/030 | 10102853 | 1 · 3 | SPRINT® 20 | 25 |
| | MFD 20/07/010 | 10105299 | 0,5 · 1 | SPRINT® 20 | 25 |
| | MFD 20/06/030 | 10105685 | 1 · 3 | SPRINT® 20 | 25 |
| | MFD 25/01/050 | 10109789 | 3 · 5 | SPRINT® 25 | 25 |
| | MFD 25/01/065 | 10060954 | 4 · 6,5 | SPRINT® 25 | 25 |
| | MFD 25/01/090 | 10101016 | 7 · 9 | SPRINT® 25 | 25 |
| | MFD 25/01/105-01/055 | 10101255 | 4,5 · 10,5 | SPRINT® 25 | 25 |
| | MFD 25/01/094-01/058 | 10106779 | 3,8 · 9,4 | SPRINT® 25 | 25 |
| | MFD 25/01/094-01/063 | 10107154 | 4,3 · 9,4 | SPRINT® 25 | 25 |
| | MFD 25/02/030 | 10102655 | 1 · 3 | SPRINT® 25 | 25 |
| | MFD 25/02/060 | 10060452 | 4 · 6 | SPRINT® 25 | 25 |
| | MFD 25/02/060 | 10110889 | 4 · 6 | SPRINT® 25 | 100 |
| | MFD 25/02/070 | 10063995 | 5 · 7 | SPRINT® 25 | 25 |
| | MFD 25/02/070-01/040 | 10102979 | 2 · 7 | SPRINT® 25 | 25 |
| | MFD 25/02/080 | 10060952 | 6 · 8 | SPRINT® 25 | 25 |
| | MFD 25/03/045 | 10103325 | 2,5 · 4,5 | SPRINT® 25 | 25 |
| | MFD 25/03/060 | 10104351 | 4 · 6 | SPRINT® 25 | 25 |
| | MFD 25/03/060 | 10110890 | 4 · 6 | SPRINT® 25 | 100 |
| | MFD 25/03/070 | 10064342 | 5 · 7 | SPRINT® 25 | 25 |
| | MFD 25/03/073 | 10107540 | 5,3 · 7,3 | SPRINT® 25 | 25 |
| | MFD 25/02/060-01/080 | 10111056 | 4 · 8 | SPRINT® 25 | 25 |
| | MFD 25/04/060 | 10064343 | 4 · 6 | SPRINT® 25 | 25 |
| | MFD 25/04/060 | 10110891 | 4 · 6 | SPRINT® 25 | 100 |
| | MFD 25/04/064 | 10107541 | 4,4 · 6,4 | SPRINT® 25 | 25 |
| | MFD 25/05/056 | 10102023 | 4,6 · 5,6 | SPRINT® 25 | 25 |
| | MFD 25/05/056 | 10110892 | 4,6 · 5,6 | SPRINT® 25 | 100 |



Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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| Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|-----------------------------|----------|---------------|--------------------------|----|
| MFD 32/01/050 | 10103157 | 3 · 5 | SPRINT® 32 | 25 |
| MFD 32/01/073 | 10110362 | 4 · 7,3 | SPRINT® 32 | 25 |
| MFD 32/01/090 | 10110285 | 7 · 9 | SPRINT® 32 | 25 |
| MFD 32/01/120 | 10110361 | 9 · 12 | SPRINT® 32 | 25 |
| MFD 32/01/060-02/090 | 10103653 | 4 · 9 | SPRINT® 32 | 25 |
| MFD 32/01/100-01/090 | 10108826 | 8 · 10 | SPRINT® 32 | 25 |
| MFD 32/01/115-01/050 | 10102794 | 4 · 11,5 | SPRINT® 32 | 25 |
| MFD 32/01/115-01/065 | 10104604 | 4,5 · 11,5 | SPRINT® 32 | 25 |
| MFD 32/01/115-01/085 | 10101256 | 7,5 · 11,5 | SPRINT® 32 | 25 |
| MFD 32/01/132-01/065 | 10104605 | 4,5 · 13,2 | SPRINT® 32 | 25 |
| MFD 32/02/080 | 10102743 | 6 · 8 | SPRINT® 32 | 25 |
| MFD 32/02/085 | 10102493 | 6,5 · 8,5 | SPRINT® 32 | 25 |
| MFD 32/02/100 | 10104352 | 8 · 10 | SPRINT® 32 | 25 |
| MFD 32/03/080 | 10101018 | 6 · 8 | SPRINT® 32 | 25 |
| MFD 32/03/065 | 10102169 | 4,5 · 6,5 | SPRINT® 32 | 25 |
| MFD 32/03/090 | 10102170 | 7 · 9 | SPRINT® 32 | 25 |
| MFD 32/04/070 | 10064344 | 5 · 7 | SPRINT® 32 | 25 |
| MFD 32/04/080 | 10064950 | 6 · 8 | SPRINT® 32 | 25 |
| MFD 32/01/060-02/070-01/080 | 10110852 | 6 · 8 | SPRINT® 32 | 25 |
| MFD 32/05/070 | 10101140 | 5 · 7 | SPRINT® 32 | 25 |
| MFD 32/06/060 | 10064345 | 4 · 6 | SPRINT® 32 | 25 |
| MFD 32/06/040 | 10106278 | 2 · 4 | SPRINT® 32 | 25 |
| MFD 32/08/040 | 10103687 | 2 · 4 | SPRINT® 32 | 25 |
| MFD 32/03/060-01/080 | 10111057 | 4 · 8 | SPRINT® 32 | 25 |
| MFD 32/08/050 | 10110089 | 3 · 5 | SPRINT® 32 | 25 |
| MFD 40/01/060 | 10108661 | 4 · 6 | SPRINT® 40 | 25 |
| MFD 40/01/160-01/065 | 10104606 | 4,5 · 16 | SPRINT® 40 | 25 |
| MFD 40/01/150-02/085 | 10106440 | 7,5 · 15 | SPRINT® 40 | 25 |
| MFD 40/02/060-01/130 | 10105687 | 4 · 13 | SPRINT® 40 | 25 |
| MFD 40/02/070-01/100-02/115 | 10102765 | 5 · 11,5 | SPRINT® 40 | 25 |
| MFD 40/02/110-01/060 | 10105341 | 4 · 11 | SPRINT® 40 | 25 |
| MFD 40/02/120-01/070 | 10102488 | 5 · 12 | SPRINT® 40 | 25 |
| MFD 40/02/110 | 10105340 | 9 · 11 | SPRINT® 40 | 25 |
| MFD 40/03/125 | 10102054 | 10,5 · 12,5 | SPRINT® 40 | 25 |
| MFD 40/04/090-01/060 | 10105342 | 4 · 9 | SPRINT® 40 | 25 |
| MFD 40/04/100 | 10101017 | 8 · 10 | SPRINT® 40 | 25 |
| MFD 40/04/110 | 10104145 | 9 · 11 | SPRINT® 40 | 25 |
| MFD 40/05/090 | 10109605 | 7 · 9 | SPRINT® 40 | 25 |
| MFD 40/06/065 | 10102171 | 4,5 · 6,5 | SPRINT® 40 | 25 |
| MFD 40/06/070 | 10110088 | 5 · 7 | SPRINT® 40 | 25 |
| MFD 40/06/090 | 10102172 | 7 · 9 | SPRINT® 40 | 25 |
| MFD 40/07/070 | 10064348 | 5 · 7 | SPRINT® 40 | 25 |
| MFD 40/07/080 | 10064347 | 6 · 8 | SPRINT® 40 | 25 |
| MFD 40/08/060 | 10064346 | 4 · 6 | SPRINT® 40 | 25 |
| MFD 40/08/070 | 10102744 | 5 · 7 | SPRINT® 40 | 25 |
| MFD 40/09/069 | 10101427 | 5,5 · 6,9 | SPRINT® 40 | 25 |
| MFD 40/10/064 | 10108982 | 4,4 · 6,4 | SPRINT® 40 | 25 |
| MFD 40/16/035 | 10103686 | 2,5 · 3,5 | SPRINT® 40 | 25 |
| MFD 50/01/170 | 10105343 | 15 · 17 | SPRINT® 50 | 25 |
| MFD 50/03/135 | 10105557 | 11,5 · 13,5 | SPRINT® 50 | 25 |
| MFD 50/03/157 | 10109984 | 13,7 · 15,7 | SPRINT® 50 | 25 |
| MFD 50/04/110-01/060 | 10105344 | 4 · 11 | SPRINT® 50 | 25 |
| MFD 50/08/070 | 10109606 | 5 · 7 | SPRINT® 50 | 25 |
| MFD 50/09/080 | 10064394 | 6 · 8 | SPRINT® 50 | 25 |
| MFD 50/15/050 | 10102745 | 4 · 5 | SPRINT® 50 | 25 |
| MFD 50/15/065 | 10109823 | 5,5 · 6,5 | SPRINT® 50 | 25 |
| MFD 50/16/060 | 10102746 | 4 · 6 | SPRINT® 50 | 25 |
| MFD 50/25/050 | 10063102 | 4 · 5 | SPRINT® 50 | 25 |
| MFD 50/30/040 | 10104144 | 3 · 4 | SPRINT® 50 | 25 |
| MFD 63/02/168 | 10105293 | 15,8 · 16,8 | SPRINT® 63 | 25 |
| MFD 63/03/065 | 10101201 | 5 · 6,5 | SPRINT® 63 | 25 |
| MFD 63/03/145 | 10103689 | 12,5 · 14,5 | SPRINT® 63 | 25 |
| MFD 63/02/065-01/090 | 10101223 | 5 · 9 | SPRINT® 63 | 25 |



Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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Further sizes on www.wiska.com or on request

SPRINT® Special sealing inserts




Protection class IP66
Temperature range -40 °C - 100 °C
Material Thermoplastic elastomer


FFD, for flat Cables

|  | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|---------------|----------|---------------|--------------------------|----|
| | FFD 20/01/510 | 10064322 | 4,6 - 5,6 | SPRINT® 20 | 25 |
| | FFD 20/01/713 | 10101192 | 6 - 7 | SPRINT® 20 | 25 |
| | FFD 25/01/816 | 10103326 | 16,7 - 7,7 | SPRINT® 25 | 25 |

SFD, for ASi-Bus-Cables

|  | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|---------------|----------|---------------|--------------------------|----|
| | SFD 20/01/ASi | 10064329 | - | SPRINT® 20 | 25 |

GFD, split, for assembled Cables

|  | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|--|----------------------|----------|---------------|--------------------------|----|
| | GFD 12/01/015 | 10102490 | 1 - 1,5 | SPRINT® 12 | 25 |
| | GFD 16/01/050 | 10104447 | 3 - 5 | SPRINT® 16 | 25 |
| | GFD 16/02/040 | 10103110 | 2 - 4 | SPRINT® 16 | 25 |
| | GFD 20/01/015 | 10064328 | 1 - 1,5 | SPRINT® 20 | 25 |
| | GFD 20/01/040 | 10111949 | 2 - 4 | SPRINT® 20 | 25 |
| | GFD 20/01/060 | 10102297 | 4 - 6 | SPRINT® 20 | 25 |
| | GFD 20/01/070 | 10110386 | 5 - 7 | SPRINT® 20 | 25 |
| | GFD 20/01/090 | 10109006 | 7 - 9 | SPRINT® 20 | 25 |
| | GFD 20/02/040 | 10109615 | 2 - 4 | SPRINT® 20 | 25 |
| | GFD 20/02/065 | 10110393 | 5 - 6,5 | SPRINT® 20 | 25 |
| | GFD 20/04/040 | 10109616 | 2 - 4 | SPRINT® 20 | 25 |
| | GFD 25/01/050 | 10101019 | 3 - 5 | SPRINT® 25 | 25 |
| | GFD 25/01/060 | 10066632 | 4 - 6 | SPRINT® 25 | 25 |
| | GFD 25/01/065 | 10109309 | 4 - 6,5 | SPRINT® 25 | 25 |
| | GFD 25/01/090 | 10103108 | 7 - 9 | SPRINT® 25 | 25 |
| | GFD 25/01/094-01/063 | 10107155 | 4,3 - 9,4 | SPRINT® 25 | 25 |
| | GFD 25/02/030 | 10102656 | 1 - 3 | SPRINT® 25 | 25 |
| | GFD 25/02/060 | 10109788 | 4 - 6 | SPRINT® 25 | 25 |
| | GFD 25/04/060 | 10104735 | 4 - 6 | SPRINT® 25 | 25 |
| | GFD 32/01/050 | 10103158 | 3 - 5 | SPRINT® 32 | 25 |
| | GFD 32/01/073 | 10102359 | 4 - 7,3 | SPRINT® 32 | 25 |
| | GFD 32/01/090 | 10110363 | 7 - 9 | SPRINT® 32 | 25 |
| | GFD 32/01/120 | 10110286 | 9 - 12 | SPRINT® 32 | 25 |
| | GFD 32/01/045-01/085 | 10101145 | 4,5 - 8,5 | SPRINT® 32 | 25 |
| | GFD 32/01/060-01/080 | 10105953 | 4,5 - 8 | SPRINT® 32 | 25 |
| | GFD 32/02/080 | 10102747 | 6 - 8 | SPRINT® 32 | 25 |
| | GFD 32/03/065 | 10109525 | 4,5 - 6,5 | SPRINT® 32 | 25 |
| | GFD 32/06/060 | 10106336 | 4 - 6 | SPRINT® 32 | 25 |
| | GFD 40/01/060 | 10108662 | 4 - 6 | SPRINT® 40 | 25 |
| | GFD 50/01/080 | 10101020 | 6 - 8 | SPRINT® 50 | 25 |
| | GFD 63/01/090 | 10101536 | 7 - 9 | SPRINT® 63 | 25 |
| GFD 63/01/280 | 10110848 | 26 - 28 | SPRINT® 63 | 25 | |
| GFD 63/02/065-01/090 | 10101224 | 6,5 - 9 | SPRINT® 63 | 25 | |
| GFD 63/03/065 | 10101200 | 5 - 6,5 | SPRINT® 63 | 25 | |


SPRINT® Reduction sealing insert, RDE



Protection class IP68
Temperature range -40 °C · 100 °C

Colour
Material

Black
EPDM

|  | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|--------|----------|---------------|--------------------------|----|
| | RDE 12 | 10062183 | 1 · 3 | SPRINT® 12 | 50 |
| | RDE 16 | 10062184 | 2 · 6 | SPRINT® 16 | 50 |
| | RDE 20 | 10062185 | 4 · 8 | SPRINT® 20 | 50 |
| | RDE 25 | 10060768 | 7 · 12 | SPRINT® 25 | 25 |
| | RDE 32 | 10062186 | 9 · 14 | SPRINT® 32 | 25 |
| | RDE 40 | 10062187 | 12 · 20 | SPRINT® 40 | 10 |
| | RDE 50 | 10062188 | 16 · 25 | SPRINT® 50 | 10 |
| | RDE 63 | 10062189 | 28 · 38 | SPRINT® 63 | 10 |


SPRINT® Reduction sealing insert LowTemp, RDE LT



Protection class IP68
Temperature range -60 °C · 100 °C

Colour
Material


Red
Silicone

|  | Type | RAL 3000 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|-----------|----------|---------------|--------------------------|----|
| | RDE 12 LT | 10063981 | 1 · 3 | SPRINT® 12 | 50 |
| | RDE 16 LT | 10063908 | 2 · 6 | SPRINT® 16 | 50 |
| | RDE 20 LT | 10063909 | 4 · 8 | SPRINT® 20 | 50 |
| | RDE 25 LT | 10063910 | 7 · 12 | SPRINT® 25 | 25 |
| | RDE 32 LT | 10063934 | 9 · 14 | SPRINT® 32 | 25 |
| | RDE 40 LT | 10063960 | 12 · 20 | SPRINT® 40 | 10 |
| | RDE 50 LT | 10063966 | 16 · 25 | SPRINT® 50 | 10 |
| | RDE 63 LT | 10063967 | 28 · 38 | SPRINT® 63 | 10 |

SPRINT® Blind sealing insert, VFD




Protection class IP66
Temperature range -40 °C · 100 °C
Material Thermoplastic elastomer

|  | Type | RAL 9005 | Suitable for Cable Gland | PU |
|---|--------|----------|--------------------------|----|
| | VFD 12 | 10064462 | SPRINT® 12 | 25 |
| | VFD 16 | 10064463 | SPRINT® 16 | 25 |
| | VFD 20 | 10064464 | SPRINT® 20 | 25 |
| | VFD 25 | 10064465 | SPRINT® 25 | 25 |
| | VFD 32 | 10064466 | SPRINT® 32 | 25 |
| | VFD 40 | 10064467 | SPRINT® 40 | 25 |
| | VFD 50 | 10064468 | SPRINT® 50 | 25 |
| | VFD 63 | 10064469 | SPRINT® 63 | 25 |

SPRINT® Connection thread gasket, EADR, metric




Temperature range -40 °C - 140 °C
Material EPDM

|  | Type | RAL 9005 | Threat | PU |
|---|---------|----------|----------|-----|
| | EADR 12 | 10062801 | M 12x1,5 | 100 |
| | EADR 16 | 10062802 | M 16x1,5 | 100 |
| | EADR 20 | 10062803 | M 20x1,5 | 100 |
| | EADR 25 | 10062804 | M 25x1,5 | 100 |
| | EADR 32 | 10062805 | M 32x1,5 | 100 |
| | EADR 40 | 10062806 | M 40x1,5 | 100 |
| | EADR 50 | 10062807 | M 50x1,5 | 100 |
| | EADR 63 | 10062808 | M 63x1,5 | 100 |

SPRINT® Connection thread gasket, EADR LT, LowTemp, metric




Temperature range -60 °C - 140 °C
Material Silikon

|  | Type | RAL 3000 | Threat | PU |
|--|---------------|----------|----------|-----|
| | EADR 12/90 LT | 10105704 | M 12x1,5 | 100 |
| | EADR 16/90 LT | 10105705 | M 16x1,5 | 100 |
| | EADR 20/90 LT | 10105706 | M 20x1,5 | 100 |
| | EADR 25/90 LT | 10105707 | M 25x1,5 | 100 |
| | EADR 32/90 LT | 10105708 | M 32x1,5 | 100 |
| | EADR 40/90 LT | 10105709 | M 40x1,5 | 100 |
| | EADR 50/90 LT | 10105710 | M 50x1,5 | 100 |
| | EADR 63/90 LT | 10105711 | M 63x1,5 | 100 |

Connection thread gasket, PG



Temperature range -40 °C - 140 °C
Material EPDM

|  | Type | RAL 9005 | Threat | PU |
|---|----------|----------|---------|-----|
| | ADR 7 | 10061419 | PG 7 | 100 |
| | ADR 9 | 10061420 | PG 9 | 100 |
| | ADR 11 | 10061421 | PG 11 | 100 |
| | ADR 13,5 | 10061422 | PG 13,5 | 100 |
| | ADR 16 | 10061423 | PG 16 | 100 |
| | ADR 21 | 10061424 | PG 21 | 100 |
| | ADR 29 | 10061425 | PG 29 | 100 |
| | ADR 36 | 10061426 | PG 36 | 100 |
| | ADR 42 | 10061427 | PG 42 | 100 |
| | ADR 48 | 10061428 | PG 48 | 100 |

Cable Glands

Cable Entries

Cable Protection


Junction Boxes

T


SPRINT® O-Rings, ORD




ORD-E, EPDM, -40 °C · 120 °C, black

|  | Type | RAL 9005 | Suitable for Cable Gland | PU |
|---|----------|----------|--------------------------|-----|
| | ORD-E 12 | 10064697 | SPRINT® 12 | 100 |
| | ORD-E 16 | 10064698 | SPRINT® 16 | 100 |
| | ORD-E 20 | 10064699 | SPRINT® 20 | 100 |
| | ORD-E 25 | 10064700 | SPRINT® 25 | 100 |
| | ORD-E 32 | 10064701 | SPRINT® 32 | 100 |
| | ORD-E 40 | 10064702 | SPRINT® 40 | 100 |
| | ORD-E 50 | 10064703 | SPRINT® 50 | 100 |
| | ORD-E 63 | 10064704 | SPRINT® 63 | 100 |
| | ORD-E 75 | 10101765 | SPRINT® 75 | 100 |

ORD-V, viton, -15 °C · 200 °C, black

|  | Type | RAL 9005 | Suitable for Cable Gland | PU |
|---|----------|----------|--------------------------|-----|
| | ORD-V 12 | 10064705 | SPRINT® 12 | 100 |
| | ORD-V 16 | 10064706 | SPRINT® 16 | 100 |
| | ORD-V 20 | 10064707 | SPRINT® 20 | 100 |
| | ORD-V 25 | 10064708 | SPRINT® 25 | 100 |
| | ORD-V 32 | 10064709 | SPRINT® 32 | 100 |
| | ORD-V 40 | 10064710 | SPRINT® 40 | 100 |
| | ORD-V 50 | 10064711 | SPRINT® 50 | 100 |
| | ORD-V 63 | 10064712 | SPRINT® 63 | 100 |

ORD-S, silicone, -60 °C · 180 °C, blue

|  | Type | RAL 9005 | Suitable for Cable Gland | PU |
|--|----------|----------|--------------------------|-----|
| | ORD-S 12 | 10101757 | SPRINT® 12 | 100 |
| | ORD-S 16 | 10101758 | SPRINT® 16 | 100 |
| | ORD-S 20 | 10101759 | SPRINT® 20 | 100 |
| | ORD-S 25 | 10101760 | SPRINT® 25 | 100 |
| | ORD-S 32 | 10101761 | SPRINT® 32 | 100 |
| | ORD-S 40 | 10101762 | SPRINT® 40 | 100 |
| | ORD-S 50 | 10101763 | SPRINT® 50 | 100 |
| | ORD-S 63 | 10101764 | SPRINT® 63 | 100 |


SPRINT® Blind plug, BS



Temperature range -60 °C · 100 °C
Colour Red

Material

Polyamide

|  | Type | RAL 3000 | Ø Cable in mm | PU |
|---|-------|----------|---------------|----|
| | BS 2 | 10064000 | 2 | 50 |
| | BS 3 | 10064001 | 3 | 50 |
| | BS 4 | 10064002 | 4 | 50 |
| | BS 5 | 10064003 | 5 | 50 |
| | BS 6 | 10064004 | 6 | 50 |
| | BS 7 | 10064005 | 7 | 50 |
| | BS 8 | 10064006 | 8 | 50 |
| | BS 9 | 10064007 | 9 | 50 |
| | BS 10 | 10064008 | 10 | 50 |
| | BS 12 | 10064009 | 12 | 50 |
| | BS 13 | 10064010 | 13 | 50 |
| | BS 14 | 10064011 | 14 | 50 |
| | BS 17 | 10064012 | 17 | 50 |
| | BS 20 | 10064013 | 20 | 25 |
| | BS 21 | 10064014 | 21 | 25 |
| | BS 25 | 10064015 | 25 | 25 |
| | BS 28 | 10064016 | 28 | 25 |
| | BS 35 | 10064017 | 35 | 10 |
| | BS 38 | 10064018 | 38 | 10 |
| | BS 48 | 10064019 | 48 | 10 |
| | BS 63 | 10064020 | 63 | 5 |

Our railway cable glands

Our railway series is an industry specific extension of the proven SPRINT® cable gland system, which meets the specific demands of the rail industry in all respects.

Cable Glands RW

Meet the relevant safety standards. PG, metric and NPT threads of different lengths. **Material:** Nickel-plated brass, polyamide or stainless steel. Meets fire protection standard EN 45545 and all requirements of Hazard Level 3 with fire resistance E30.



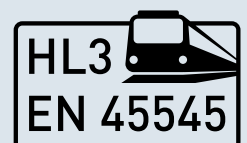
Sealings RW

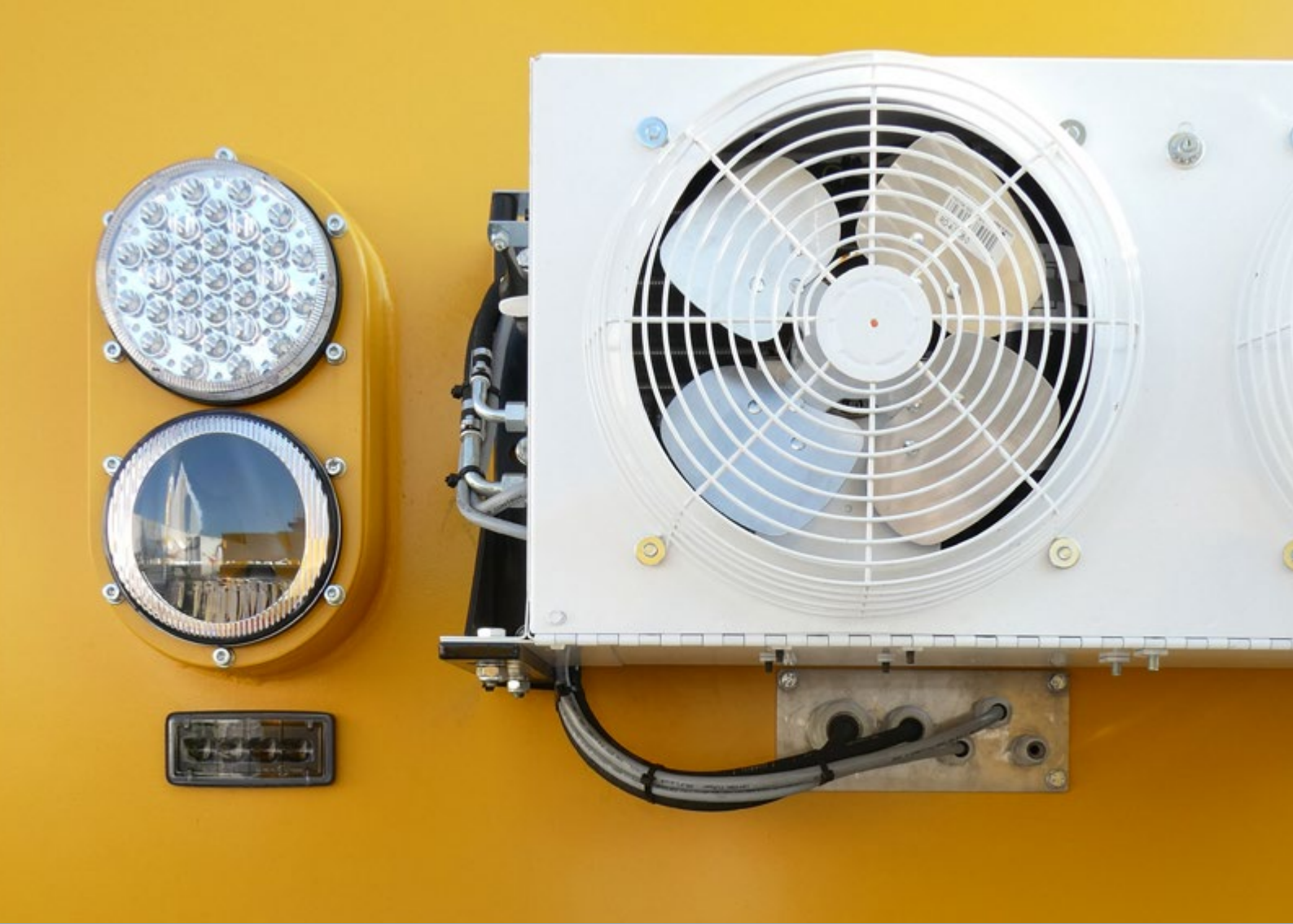
Comprehensive range of multiple and special sealing inserts.

Material: EPDM, silicone or TPE

Made for rails

Our EN 45545 cable glands ideally combine top product quality and versatile modularity while complying with safety standards. As a part of a comprehensive testing procedure, we tested the fire behaviour of processed and raw materials according to EN 45545-2. The result: the complete railway series fulfils the highest DIN EN 45545-2 hazard level 3 requirements that can be applied to materials used in railway systems.





Our products at a glance

Polyamide cable glands RW (Page 76)



Sealings (Page 80 - 81)



Brass cable glands and accessories (Page 76 - 78)



Further matching accessories can be found in the section on cable glands – see page 7.

Cable protection for use in the railway industry see page 92.

Stainless steel cable glands and accessories (Page 78 - 79)




Explore more...



SPRINT® Railway cable gland,
ESKV RW, polyamide, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland polyamide UL94-V0, Gasket EPDM


|  | Type | RAL 7035 | RAL 9005 | Thread | Ø Cable in mm | PU |
|---|------------|----------|----------|----------|---------------|----|
| | ESKV 12 RW | 10105492 | 10105810 | M 12x1,5 | 3 - 7 | 50 |
| ESKV 16 RW | 10105493 | 10105811 | M 16x1,5 | 4,5 - 10 | 50 | |
| ESKV 20 RW | 10105494 | 10105812 | M 20x1,5 | 6 - 13 | 50 | |
| ESKV 25 RW | 10105495 | 10105813 | M 25x1,5 | 9 - 17 | 50 | |
| ESKV 32 RW | 10105496 | 10105814 | M 32x1,5 | 13 - 21 | 25 | |
| ESKV 40 RW | 10105497 | 10105815 | M 40x1,5 | 16 - 28 | 10 | |
| ESKV 50 RW | 10105498 | 10105816 | M 50x1,5 | 21 - 35 | 4 | |
| ESKV 63 RW | 10105499 | 10105817 | M 63x1,5 | 34 - 48 | 3 | |

SPRINT® Railway cable glands,
EMSKV RW, brass nickel-plated, metric, EN 45545




Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland Brass nickel-plated, Clamping cage Polyamide UL94-V0, Gasket EPDM

EMSKV RW

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|-------------|-----------|----------|---------------|----|
| | EMSKV 12 RW | 10104293 | M 12x1,5 | 3 - 7 | 50 |
| EMSKV 16 RW | 10104294 | M 16x1,5 | 4,5 - 10 | 50 | |
| EMSKV 20 RW | 10104296 | M 20x1,5 | 6 - 13 | 50 | |
| EMSKV 25 RW | 10104297 | M 25x1,5 | 9 - 17 | 50 | |
| EMSKV 32 RW | 10104298 | M 32x1,5 | 13 - 21 | 25 | |
| EMSKV 40 RW | 10104299 | M 40x1,5 | 16 - 28 | 10 | |
| EMSKV 50 RW | 10104300 | M 50x1,5 | 21 - 35 | 10 | |
| EMSKV 63 RW | 10104301 | M 63x1,5 | 34 - 48 | 10 | |
| EMSKV 75 RW | 10104302 | M 75x1,5 | 48 - 62 | 1 | |

EMSKV-L RW, long

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|---|---------------|-----------|----------|---------------|----|
| | EMSKV-L 12 RW | 10106174 | M 12x1,5 | 3 - 7 | 50 |
| EMSKV-L 16 RW | 10106175 | M 16x1,5 | 4,5 - 10 | 50 | |
| EMSKV-L 20 RW | 10106176 | M 20x1,5 | 6 - 13 | 50 | |
| EMSKV-L 25 RW | 10106177 | M 25x1,5 | 9 - 17 | 50 | |
| EMSKV-L 32 RW | 10106178 | M 32x1,5 | 13 - 21 | 25 | |
| EMSKV-L 40 RW | 10106179 | M 40x1,5 | 16 - 28 | 10 | |
| EMSKV-L 50 RW | 10106180 | M 50x1,5 | 21 - 35 | 10 | |
| EMSKV-L 63 RW | 10106181 | M 63x1,5 | 34 - 48 | 10 | |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

SPRINT® Railway cable gland LowTemp,
EMSKV LT RW, brass nickel-plated, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland Brass nickel-plated, Clamping cage Polyamide UL94-V0, Gasket Silicone



| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| EMSKV 12 LT RW | 10105823 | M 12x1,5 | 3 - 7 | 50 |
| EMSKV 16 LT RW | 10105824 | M 16x1,5 | 4,5 - 10 | 50 |
| EMSKV 20 LT RW | 10105825 | M 20x1,5 | 6 - 13 | 50 |
| EMSKV 25 LT RW | 10105826 | M 25x1,5 | 9 - 17 | 50 |
| EMSKV 32 LT RW | 10105827 | M 32x1,5 | 13 - 21 | 25 |
| EMSKV 40 LT RW | 10105828 | M 40x1,5 | 16 - 28 | 10 |
| EMSKV 50 LT RW | 10105829 | M 50x1,5 | 21 - 35 | 10 |
| EMSKV 63 LT RW | 10105830 | M 63x1,5 | 34 - 48 | 10 |

SPRINT® EMC Railway cable gland with earthing cones
DIN 89345, EMSKV EMV-Z RW, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland Brass nickel-plated, Clamping cage Polyamide UL94-V0, Earthing cones Brass chromium-plated, Gasket EPDM



| Type | Order No. | Thread | Ø Cable in mm | PU |
|-------------------|-----------|----------|---------------|----|
| EMSKV 12 EMV-Z RW | 10104303 | M 12x1,5 | 3 - 7 | 50 |
| EMSKV 16 EMV-Z RW | 10104304 | M 16x1,5 | 4,5 - 10 | 50 |
| EMSKV 20 EMV-Z RW | 10104305 | M 20x1,5 | 6 - 13 | 50 |
| EMSKV 25 EMV-Z RW | 10104306 | M 25x1,5 | 9 - 17 | 50 |
| EMSKV 32 EMV-Z RW | 10104307 | M 32x1,5 | 13 - 21 | 25 |
| EMSKV 50 EMV-Z RW | 10104308 | M 50x1,5 | 21 - 35 | 10 |
| EMSKV 40 EMV-Z RW | 10104309 | M 40x1,5 | 16 - 28 | 10 |
| EMSKV 63 EMV-Z RW | 10104310 | M 63x1,5 | 34 - 48 | 10 |
| EMSKV 75 EMV-Z RW | 10104311 | M 75x1,5 | 48 - 63 | 1 |

SPRINT® EMC Railway cable gland LowTemp with earthing cones
DIN 89345, EMSKV LT EMV-Z RW, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland Brass nickel-plated, Clamping cage Polyamide UL94-V0, Earthing cones Brass chromium-plated, Gasket Silicone



| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------------|-----------|----------|---------------|----|
| EMSKV 12 LT EMV-Z RW | 10105848 | M 12x1,5 | 3 - 7 | 50 |
| EMSKV 16 LT EMV-Z RW | 10105849 | M 16x1,5 | 4,5 - 10 | 50 |
| EMSKV 20 LT EMV-Z RW | 10105850 | M 20x1,5 | 6 - 13 | 50 |
| EMSKV 25 LT EMV-Z RW | 10105851 | M 25x1,5 | 9 - 17 | 50 |
| EMSKV 32 LT EMV-Z RW | 10105852 | M 32x1,5 | 13 - 21 | 25 |
| EMSKV 40 LT EMV-Z RW | 10105853 | M 40x1,5 | 16 - 28 | 10 |

SPRINT® Railway cable gland,
EMSKVZ RW, brass nickel-plated, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3
Material Gland Brass nickel-plated, Clamping cage Polyamide UL94-V0, Gasket EPDM



| Type | Order No. | Thread | Ø Cable in mm | PU |
|--------------|-----------|----------|---------------|----|
| EMSKVZ 16 RW | 10109128 | M 16x1,5 | 4,5 - 10 | 25 |
| EMSKVZ 20 RW | 10109129 | M 20x1,5 | 6 - 13 | 25 |
| EMSKVZ 25 RW | 10109130 | M 25x1,5 | 9 - 17 | 25 |
| EMSKVZ 32 RW | 10109131 | M 32x1,5 | 13 - 21 | 10 |
| EMSKVZ 40 RW | 10109132 | M 40x1,5 | 16 - 28 | 5 |
| EMSKVZ 50 RW | 10109133 | M 50x1,5 | 21 - 35 | 5 |
| EMSKVZ 63 RW | 10109134 | M 63x1,5 | 34 - 48 | 5 |

SPRINT® Railway cable gland,
ESSKV RW, stainless steel, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide UL94-V0, Gasket EPDM



| Type | Order No. | Thread | Ø Cable in mm | PU |
|-------------|-----------|----------|---------------|----|
| ESSKV 12 RW | 10105832 | M 12x1,5 | 3 - 7 | 10 |
| ESSKV 16 RW | 10105833 | M 16x1,5 | 4,5 - 10 | 10 |
| ESSKV 20 RW | 10105834 | M 20x1,5 | 6 - 13 | 10 |
| ESSKV 25 RW | 10105835 | M 25x1,5 | 9 - 17 | 10 |
| ESSKV 32 RW | 10105836 | M 32x1,5 | 13 - 21 | 5 |
| ESSKV 40 RW | 10105837 | M 40x1,5 | 16 - 28 | 5 |
| ESSKV 50 RW | 10105838 | M 50x1,5 | 21 - 35 | 2 |
| ESSKV 63 RW | 10105839 | M 63x1,5 | 34 - 48 | 1 |

SPRINT® Railway cable gland LowTemp,
ESSKV LT RW, stainless steel, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Hazard level EN acc. 45545 R22=HL1 / R23=HL2
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide UL94-V0, Gasket Silicone




| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------|-----------|----------|---------------|----|
| ESSKV 12 LT RW | 10105840 | M 12x1,5 | 3 - 7 | 10 |
| ESSKV 16 LT RW | 10105841 | M 16x1,5 | 4,5 - 10 | 10 |
| ESSKV 20 LT RW | 10105842 | M 20x1,5 | 6 - 13 | 10 |
| ESSKV 25 LT RW | 10105843 | M 25x1,5 | 9 - 17 | 10 |
| ESSKV 32 LT RW | 10105844 | M 32x1,5 | 13 - 21 | 5 |
| ESSKV 40 LT RW | 10105845 | M 40x1,5 | 16 - 28 | 5 |

SPRINT® EMC Railway cable gland with contact spring insert,
 ESSKV EMV-S RW, stainless steel, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL3 / R23=HL3 / R24=HL3
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide UL94-V0, Gasket EPDM, Earthing cones Stainless steel 1.4310

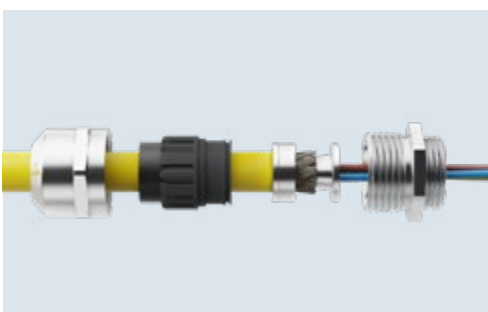


| Type | Order No. | Thread | Ø Cable in mm | PU |
|-------------------|-----------|----------|---------------|----|
| ESSKV 12 EMV-S RW | 10106137 | M 12x1,5 | 3 - 7 | 10 |
| ESSKV 16 EMV-S RW | 10106138 | M 16x1,5 | 4,5 - 10 | 10 |
| ESSKV 20 EMV-S RW | 10106139 | M 20x1,5 | 6 - 13 | 10 |
| ESSKV 25 EMV-S RW | 10106140 | M 25x1,5 | 9 - 17 | 10 |
| ESSKV 32 EMV-S RW | 10106141 | M 32x1,5 | 13 - 21 | 5 |
| ESSKV 40 EMV-S RW | 10106142 | M 40x1,5 | 16 - 28 | 5 |
| ESSKV 50 EMV-S RW | 10106143 | M 50x1,5 | 21 - 35 | 2 |
| ESSKV 63 EMV-S RW | 10106144 | M 63x1,5 | 34 - 48 | 1 |

SPRINT® EMC Railway cable gland with earthing cones
 DIN 89345, ESSKV EMV-Z RW, stainless steel, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -40 °C - 100 °C
Hazard level EN acc. 45545 R22=HL1 / R23=HL2
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide UL94-V0, Earthing cones Brass chromium-plated, Gasket EPDM

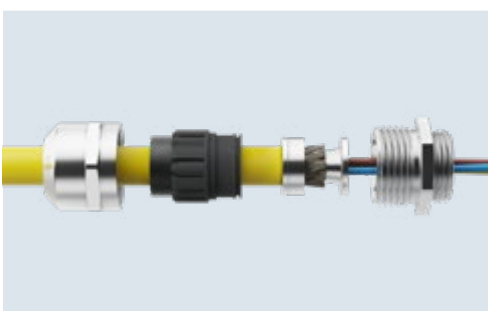


| Type | Order No. | Thread | Ø Cable in mm | PU |
|-------------------|-----------|----------|---------------|----|
| ESSKV 12 EMV-Z RW | 10105857 | M 12x1,5 | 3 - 7 | 10 |
| ESSKV 16 EMV-Z RW | 10105858 | M 16x1,5 | 4,5 - 10 | 10 |
| ESSKV 20 EMV-Z RW | 10105859 | M 20x1,5 | 6 - 13 | 10 |
| ESSKV 25 EMV-Z RW | 10105860 | M 25x1,5 | 9 - 17 | 10 |
| ESSKV 32 EMV-Z RW | 10105861 | M 32x1,5 | 13 - 21 | 5 |
| ESSKV 40 EMV-Z RW | 10105862 | M 40x1,5 | 16 - 28 | 5 |
| ESSKV 50 EMV-Z RW | 10105863 | M 50x1,5 | 21 - 35 | 2 |
| ESSKV 63 EMV-Z RW | 10105864 | M 63x1,5 | 34 - 48 | 1 |

SPRINT® EMC Railway cable gland LowTemp with earthing cones
 DIN 89345, ESSKV LT EMV-Z RW, stainless steel, metric, EN 45545



Protection class IP68 (5 bar 30 min) / IP69
Temperature range -60 °C - 100 °C
Hazard level EN acc. 45545 R22=HL1 / R23=HL2
Material Gland Stainless steel A2 (1.4305), Clamping cage Polyamide UL94-V0, Earthing cones Brass chromium-plated, Gasket Silicone



| Type | Order No. | Thread | Ø Cable in mm | PU |
|----------------------|-----------|----------|---------------|----|
| ESSKV 12 LT EMV-Z RW | 10105865 | M 12x1,5 | 3 - 7 | 10 |
| ESSKV 16 LT EMV-Z RW | 10105866 | M 16x1,5 | 4,5 - 10 | 10 |
| ESSKV 20 LT EMV-Z RW | 10105867 | M 20x1,5 | 6 - 13 | 10 |
| ESSKV 25 LT EMV-Z RW | 10105868 | M 25x1,5 | 9 - 17 | 10 |
| ESSKV 32 LT EMV-Z RW | 10105869 | M 32x1,5 | 13 - 21 | 5 |
| ESSKV 40 LT EMV-Z RW | 10105870 | M 40x1,5 | 16 - 28 | 5 |
| ESSKV 50 LT EMV-Z RW | 10105871 | M 50x1,5 | 21 - 35 | 2 |
| ESSKV 63 LT EMV-Z RW | 10105872 | M 63x1,5 | 34 - 48 | 1 |

SPRINT® Sealing, MFD RW



Protection class IP66 / IP68
Temperature range -40 °C · 100 °C
Material Thermoplastic elastomer
Advice Other sizes on request

Cable Glands

Cable Entries


Cable Protection

Junction Boxes

T




| Type | RAL 9010 | Ø Cable in mm | Suitable for Cable Gland | PU |
|--------------------------------|----------|---------------|--------------------------|----|
| MFD 12/02/020 RW | 10105927 | 1 · 2 | SPRINT 12 | 25 |
| MFD 12/04/020 RW | 10105928 | 1,5 · 2 | SPRINT 12 | 25 |
| MFD 16/02/040 RW | 10105929 | 2 · 4 | SPRINT 16 | 25 |
| MFD 16/03/021 RW | 10105930 | 1 · 2,1 | SPRINT 16 | 25 |
| MFD 20/02/040 RW | 10110974 | 2 · 4 | SPRINT 20 | 25 |
| MFD 20/02/050 RW | 10105931 | 3 · 5 | SPRINT 20 | 25 |
| MFD 20/02/055 RW | 10110790 | 3,5 · 5,5 | SPRINT 20 | 25 |
| MFD 20/02/060 RW | 10110039 | 4 · 6 | SPRINT 20 | 25 |
| MFD 20/02/065 RW | 10109912 | 4,5 · 6,5 | SPRINT 20 | 25 |
| MFD 20/03/040 RW | 10105932 | 2 · 4 | SPRINT 20 | 25 |
| MFD 20/04/047 RW | 10110482 | 2,7 · 4,7 | SPRINT 20 | 25 |
| MFD 25/02/060 RW | 10110015 | 4 · 6 | SPRINT 25 | 25 |
| MFD 25/02/070 RW | 10105549 | 5 · 7 | SPRINT 25 | 25 |
| MFD 25/02/080 RW | 10105548 | 6 · 8 | SPRINT 25 | 25 |
| MFD 25/01/094-01/058 RW | 10110521 | 3,8 · 9,4 | SPRINT 25 | 25 |
| MFD 25/03/060 RW | 10106734 | 4 · 6 | SPRINT 25 | 25 |
| MFD 25/03/070 RW | 10106735 | 5 · 7 | SPRINT 25 | 25 |
| MFD 25/02/070-01/040 RW | 10105550 | 3 · 7 | SPRINT 25 | 25 |
| MFD 25/04/040 RW | 10109456 | 2 · 4 | SPRINT 25 | 25 |
| MFD 25/04/060 RW | 10108069 | 4 · 6 | SPRINT 25 | 25 |
| MFD 25/06/047 RW | 10110483 | 2,7 · 4,7 | SPRINT 25 | 25 |
| MFD 32/02/085 RW | 10111316 | 6,5 · 8,5 | SPRINT 32 | 25 |
| MFD 32/02/100 RW | 10109542 | 8 · 10 | SPRINT 32 | 25 |
| MFD 32/01/115-01/050 RW | 10105553 | 4 · 11,5 | SPRINT 32 | 25 |
| MFD 32/03/065 RW | 10110522 | 4,5 · 6,5 | SPRINT 32 | 25 |
| MFD 32/03/080 RW | 10105552 | 6 · 8 | SPRINT 32 | 25 |
| MFD 32/03/090 RW | 10109524 | 7 · 9 | SPRINT 32 | 25 |
| MFD 32/04/070 RW | 10109539 | 5 · 7 | SPRINT 32 | 25 |
| MFD 32/04/080 RW | 10105547 | 6 · 8 | SPRINT 32 | 25 |
| MFD 32/01/103-01/075-02/047 RW | 10110484 | 2,7 · 10,3 | SPRINT 32 | 25 |
| MFD 32/06/060 RW | 10110507 | 4 · 6 | SPRINT 32 | 25 |
| MFD 40/02/110 RW | 10111317 | 9 · 11 | SPRINT 40 | 25 |
| MFD 40/01/095-01/145 RW | 10110533 | 7,5 · 14,5 | SPRINT 40 | 25 |
| MFD 40/03/125 RW | 10110538 | 10,5 · 12,5 | SPRINT 40 | 25 |
| MFD 40/02/120-01/070 RW | 10105546 | 7 · 12 | SPRINT 40 | 25 |
| MFD 40/02/100-01/115 RW | 10109543 | 8 · 11,5 | SPRINT 40 | 25 |
| MFD 40/02/105-01/125 RW | 10110535 | 8,5 · 12,5 | SPRINT 40 | 25 |
| MFD 40/04/100 RW | 10105933 | 8 · 10 | SPRINT 40 | 25 |
| MFD 40/04/110 RW | 10110537 | 9 · 11 | SPRINT 40 | 25 |
| MFD 40/03/100-01/080 RW | 10109486 | 8 · 10 | SPRINT 40 | 25 |
| MFD 40/02/065-02/070 RW | 10110529 | 4,5 · 7 | SPRINT 40 | 25 |
| MFD 40/05/090 RW | 10110527 | 7 · 9 | SPRINT 40 | 25 |
| MFD 40/05/095 RW | 10110534 | 7,5 · 9,5 | SPRINT 40 | 25 |
| MFD 40/03/086-02/100 RW | 10110532 | 6,6 · 10 | SPRINT 40 | 25 |
| MFD 40/04/090-01/115 RW | 10110536 | 7 · 11,5 | SPRINT 40 | 25 |
| MFD 40/06/090 RW | 10110477 | 7 · 9 | SPRINT 40 | 25 |
| MFD 40/07/070 RW | 10105934 | 5 · 7 | SPRINT 40 | 25 |
| MFD 40/07/080 RW | 10110530 | 6 · 8 | SPRINT 40 | 25 |
| MFD 40/04/055-03/095 RW | 10110526 | 3,5 · 9,5 | SPRINT 40 | 25 |
| MFD 40/02/086-05/070 RW | 10110531 | 5 · 8,6 | SPRINT 40 | 25 |
| MFD 40/09/069 RW | 10110523 | 4,9 · 6,9 | SPRINT 40 | 25 |
| MFD 40/10/064 RW | 10110528 | 4,4 · 6,4 | SPRINT 40 | 25 |
| MFD 40/16/035 RW | 10110478 | 2,5 · 3,5 | SPRINT 40 | 25 |
| MFD 40/26/035 RW | 10110485 | 2,5 · 3,5 | SPRINT 40 | 25 |

|  | Type | RAL 9010 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|-------------------------|----------|---------------|--------------------------|----|
| | MFD 50/03/157 RW | 10110479 | 13,7 · 15,7 | SPRINT 50 | 25 |
| | MFD 50/04/120 RW | 10106726 | 10 · 12 | SPRINT 50 | 25 |
| | MFD 50/03/116-02/122 RW | 10110543 | 9,6 · 12,2 | SPRINT 50 | 25 |
| | MFD 50/05/112-01/104 RW | 10110542 | 8,4 · 11,2 | SPRINT 50 | 25 |
| | MFD 50/07/101 RW | 10110541 | 8,1 · 10,1 | SPRINT 50 | 25 |
| | MFD 50/04/081-03/091 RW | 10110540 | 6,1 · 9,1 | SPRINT 50 | 25 |
| | MFD 50/08/090 RW | 10110497 | 7 · 9 | SPRINT 50 | 25 |
| | MFD 50/09/080 RW | 10105935 | 6 · 8 | SPRINT 50 | 25 |
| | MFD 50/10/070 RW | 10110539 | 5 · 7 | SPRINT 50 | 25 |
| | MFD 50/16/060 RW | 10110481 | 4 · 6 | SPRINT 50 | 25 |
| | MFD 50/25/050 RW | 10105936 | 4 · 5 | SPRINT 50 | 25 |
| | MFD 50/37/035 RW | 10110498 | 2,5 · 3,5 | SPRINT 50 | 25 |
| | MFD 63/03/065 RW | 10105937 | 4,5 · 6,5 | SPRINT 63 | 25 |
| | MFD 75/03/220 RW | 10105588 | 20 · 22 | SPRINT 75 | 25 |

SPRINT® Sealing, RDE RW



Protection class IP68
Temperature range -40 °C · 100 °C
Material EPDM 60° shore
Advice Other sizes on request

RDE RW

|  | Type | RAL 9005 | Ø Cable in mm | Suitable for Cable Gland | PU |
|---|-----------|----------|---------------|--------------------------|----|
| | RDE 12 RW | 10105370 | 1 · 3 | SPRINT® 12 | 50 |
| | RDE 16 RW | 10105371 | 2 · 6 | SPRINT® 16 | 50 |
| | RDE 20 RW | 10105372 | 4 · 8 | SPRINT® 20 | 50 |
| | RDE 25 RW | 10105373 | 7 · 12 | SPRINT® 25 | 25 |
| | RDE 32 RW | 10105374 | 9 · 14 | SPRINT® 32 | 25 |
| | RDE 40 RW | 10105375 | 12 · 20 | SPRINT® 40 | 10 |
| | RDE 50 RW | 10105376 | 16 · 25 | SPRINT® 50 | 10 |
| | RDE 63 RW | 10105377 | 28 · 38 | SPRINT® 63 | 10 |

SPRINT® Sealing, VFD RW


Protection class IP66
Temperature range -40 °C · 100 °C
Material Thermoplastic elastomer

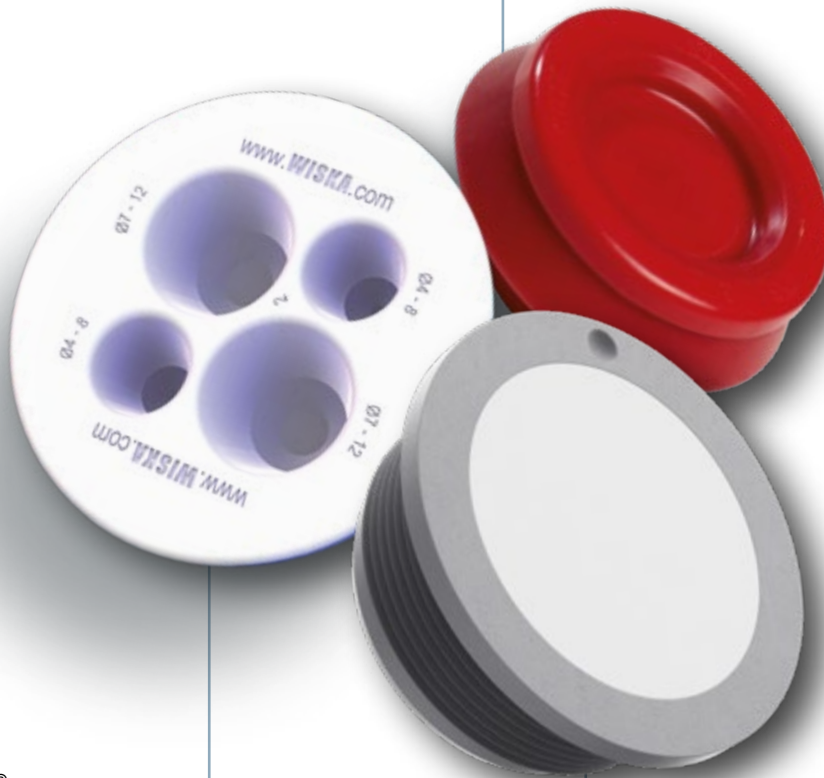
|  | Type | RAL 9010 | Suitable for Cable Gland | PU |
|---|-----------|----------|--------------------------|----|
| | VFD 12 RW | 10105538 | SPRINT® 12 | 25 |
| | VFD 16 RW | 10105539 | SPRINT® 16 | 25 |
| | VFD 20 RW | 10105540 | SPRINT® 20 | 25 |
| | VFD 25 RW | 10105541 | SPRINT® 25 | 25 |
| | VFD 32 RW | 10105542 | SPRINT® 32 | 25 |
| | VFD 40 RW | 10105543 | SPRINT® 40 | 25 |
| | VFD 50 RW | 10105544 | SPRINT® 50 | 25 |
| | VFD 63 RW | 10105545 | SPRINT® 63 | 25 |

Grommets

When cables have to be inserted as simply and quickly as possible, grommets come into play. They have a space-saving shape and are available in many different versions for various cable types.

CLIXX®

Enables the simplest cable entry through a soft component with strain relief at the same time.



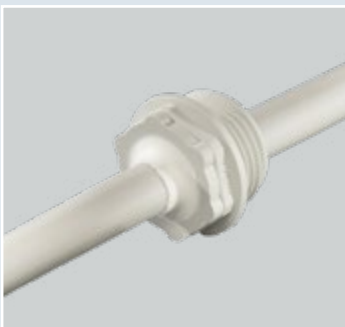
MultiCLIXX®

Combines all the benefits of our QUIXX® and CLIXX® membrane entries: Simply click into the housing and push the cable through. Without tools and locknuts, and for several cables at the same time.

QUIXX®

Has a hard and resistant body on the outside and a soft component on the inside, consisting of thermoplastic elastomer, for comfortable and quick insertion of the cable.

QUIXX® EMS



CLIXX®



MultiCLIXX®





Our products at a glance

CLIXX® - Membrane cable entries with strain relief (Page 84)



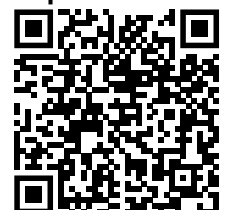
MultiCLIXX® - Multiple membrane entry with strain relief (Page 84)



QUIXX® - Membrane spout (Page 85)




Explore more...



CLIXX® Membrane cable entry with strain relief



Protection class IP66 / IP67
Temperature range -40 °C - 65 °C
Material Polypropylene, Membrane TPE

|  | Type | RAL 7035 | RAL 9005 | RAL 3000 | RAL 9001 | Thread | Ø Cable in mm | PU |
|---|----------|----------|----------|----------|----------|--------|---------------|----|
| | CLIXX 16 | 10101861 | 10101930 | 10101931 | 10101932 | 16 | 4,5 - 10 | 50 |
| CLIXX 20 | 10101359 | 10101933 | 10101934 | 10101935 | 20 | 6 - 13 | 50 | |
| CLIXX 25 | 10101862 | 10101936 | 10101937 | 10101938 | 25 | 9 - 17 | 50 | |

MultiCLIXX® Multiple membrane entry with strain relief, EMTZ




Protection class IP66
Glow wire test 960 °C
Temperature range -30 °C - 80 °C
Material Polypropylene, Membrane TPE

|  | Type | Order No. | Thread | Ø Cable in mm | PU |
|--|--------------------------|-----------|--------|---------------|----|
| | EMTZ 32/02/120-02/080 V0 | 10108616 | 32 | 4 - 12 | 50 |

FLIP Cable grommet, FD



Protection class IP66 / IP67
Temperature range -40 °C - 110 °C
Material EPDM

|  | Type | RAL 9005 | RAL 7001 | Thread | Ø Cable in mm | PU |
|---|----------|----------|----------|---------|---------------|----|
| | FD 12 | 50062891 | 50062770 | M 12 | 4 - 7 | 50 |
| FD 16 | 50062892 | 50062771 | M 16 | 5 - 9 | 50 | |
| FD 20 | 50062893 | 50062772 | M 20 | 8 - 13 | 50 | |
| FD 25 | 50062894 | 50062773 | M 25 | 11 - 17 | 50 | |
| FD 32 | 50062895 | 50062774 | M 32 | 15 - 20 | 25 | |
| FD 40 | 50062896 | 50062775 | M 40 | 19 - 28 | 25 | |
| FD 50 | 50062897 | 50062776 | M 50 | 27 - 35 | 10 | |

QUIXX® Membrane cable entry, EMS, metric



Protection class IP66
Temperature range -30 °C - 80 °C
Material Polypropylene, Membrane TPE

|  | Type | RAL 7035 | Thread | Ø Cable in mm | PU |
|---|--------|----------|----------|---------------|-----|
| | EMS 16 | 10062567 | M 16x1,5 | 1 · 9 | 100 |
| | EMS 20 | 10062568 | M 20x1,5 | 1 · 13 | 100 |
| | EMS 25 | 10062569 | M 25x1,5 | 1 · 18 | 100 |
| | EMS 32 | 10062570 | M 32x1,5 | 1 · 25 | 100 |

QUIXX® Membrane cable entry, EMT




Protection class IP66
Temperature range -40 °C - 80 °C
Material Thermoplastic elastomer

|  | Type | RAL 7035 | Thread | Ø Cable in mm | PU |
|---|--------|----------|--------|---------------|-----|
| | EMT 16 | 10062559 | 16 | 1 · 9 | 100 |
| | EMT 20 | 10062560 | 20 | 1 · 15 | 100 |
| | EMT 25 | 10062561 | 25 | 1 · 20 | 100 |
| | EMT 32 | 10062562 | 32 | 1 · 25 | 100 |

QUIXX® Membrane cable entry flame-retardant, EMT-F



Protection class IP66
Glow wire test 960 °C
Temperature range -40 °C - 80 °C
Material TPE, flame-retardant

|  | Type | RAL 9001 | Thread | Ø Cable in mm | PU |
|---|----------|----------|--------|---------------|-----|
| | EMT-F 16 | 10063008 | 16 | 1 · 9 | 100 |
| | EMT-F 20 | 10063009 | 20 | 1 · 13 | 100 |
| | EMT-F 25 | 10063010 | 25 | 1 · 18 | 100 |
| | EMT-F 32 | 10063011 | 32 | 1 · 25 | 100 |

CONMAXX® - Cable entry systems

With CONMAXX® we have developed a cable entry system especially designed for switchboard installations. The innovative 3-component modular system offers you a whole new dimension of flexibility.

CONMAXX® Seals

No matter if you have a big or small cable diameter – CONMAXX® offers the fitting sealing element for your needs.

CONMAXX® Grids

Different grid inserts can be pushed into the frame individually and thereby offer highest flexibility in cable entry.

CONMAXX® Frames

The CONMAXX® Frame is stable in shape and fits standardised industrial connector cutouts. Due to its closed construction there is no need for unscrewing to insert or change cables.



One system – endless possibilities

The three components of the CONMAXX® system can be compiled individually according to requirement and application. Even subsequent, individual changes to the wiring are no problem and can be made at any time with our system.

| Frame | Grid | Seals | Combination |
|-------|------|-------|-------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



Our products at a glance

CONMAXX® Frames (Page 89)



CONMAXX® Grids (Page 89)



CONMAXX® Seals (Page 90 - 91)



CONMAXX Gland (Page 88)




Explore more...



CONMAXX® Gland, divided retrofit cable gland with locknut, CKM, plastic, metric



Protection class IP66
Temperature range -40 °C - 100 °C
Material Gland: PA6 UL94-V0, Gasket TPE UL94-V0




| Type | RAL 7035 | Thread | PU |
|--------------|----------|----------|----|
| CKM 20 V0 LG | 10108663 | M 20x1,5 | 1 |
| CKM 25 V0 LG | 10108664 | M 25x1,5 | 1 |
| CKM 32 V0 LG | 10108665 | M 32x1,5 | 1 |
| CKM 40 V0 LG | 10108666 | M 40x1,5 | 1 |
| CKM 50 V0 LG | 10108667 | M 50x1,5 | 1 |
| CKM 63 V0 LG | 10108668 | M 63x1,5 | 1 |

CONMAXX® Locknut, divided locknut, CMM, plastic, metric



Temperature range -40 °C - 100 °C
Material PA6 UL94-V0



| Type | RAL 7035 | Thread | PU |
|--------------|----------|----------|----|
| CMM 20 V0 LG | 10108675 | M 20x1,5 | 5 |
| CMM 25 V0 LG | 10108676 | M 25x1,5 | 5 |
| CMM 32 V0 LG | 10108677 | M 32x1,5 | 5 |
| CMM 40 V0 LG | 10108678 | M 40x1,5 | 1 |
| CMM 50 V0 LG | 10108679 | M 50x1,5 | 1 |
| CMM 63 V0 LG | 10108680 | M 63x1,5 | 1 |

Cable Glands

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CONMAXX® Frames, plastic



Protection class IP66
Temperature range -40 °C - 120 °C
Material Polyamide UL94-V0

CF, frames, black

| | Type | RAL 9005 | Size | PU |
|--|----------------|----------|----------|----|
| | CF 4-B1 V0 BK | 10108180 | 70x81mm | 1 |
| | CF 6-10 V0 BK | 10108181 | 70x106mm | 1 |
| | CF 8-16 V0 BK | 10108182 | 70x126mm | 1 |
| | CF 10-24 V0 BK | 10108183 | 70x153mm | 1 |

CV, locking frames, black

| | | | | |
|--|-------------|----------|----------|---|
| | CV 4 V0 BK | 10108184 | 69x80mm | 1 |
| | CV 6 V0 BK | 10108185 | 69x105mm | 1 |
| | CV 8 V0 BK | 10108186 | 69x125mm | 1 |
| | CV 10 V0 BK | 10108187 | 69x152mm | 1 |

CONMAXX® Grids, plastic



Protection class IP66
Temperature range -40 °C - 120 °C
Material Polyamide UL94-V0

CGV

| | Type | RAL 9005 | Grid type | PU |
|--|-----------|----------|-----------|----|
| | CGV V0 BK | 10108188 | single | 1 |

CGT

| | | | | |
|--|-----------|----------|---|---|
| | CGT V0 BK | 10108189 | T | 1 |
|--|-----------|----------|---|---|

CGX

| | | | | |
|--|-----------|----------|-------|---|
| | CGX V0 BK | 10108190 | cross | 1 |
|--|-----------|----------|-------|---|

CGH

| | | | | |
|--|-----------|----------|--------------|---|
| | CGH V0 BK | 10108191 | double cross | 1 |
|--|-----------|----------|--------------|---|

Cable Glands

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CONMAXX® Seals



Protection class IP66
Temperature range -40 · 120 °C
Material Thermoplastic elastomer
Advice CDK = Small seals, CDG = Big seals

| Type | RAL 9005 | No. of inserts | Ø Cable in mm | PU |
|---------------|----------|----------------|---------------|----|
| CDK 0 HB | 10108192 | 0 | - | 10 |
| CDKG 2 HB | 10108193 | 1 | 1,5 · 2 | 10 |
| CDKG 3 HB | 10108194 | 1 | 2 · 3 | 10 |
| CDKG 4 HB | 10108195 | 1 | 3 · 4 | 10 |
| CDKG 5 HB | 10108196 | 1 | 4 · 5 | 10 |
| CDKG 6 HB | 10108197 | 1 | 5 · 6 | 10 |
| CDKG 7 HB | 10108198 | 1 | 6 · 7 | 10 |
| CDKG 8 HB | 10108199 | 1 | 7 · 8 | 10 |
| CDKG 9 HB | 10108200 | 1 | 8 · 9 | 10 |
| CDKG 10 HB | 10108201 | 1 | 9 · 10 | 10 |
| CDKG 11 HB | 10108202 | 1 | 10 · 11 | 10 |
| CDKG 12 HB | 10108203 | 1 | 11 · 12 | 10 |
| CDKG 13 HB | 10108204 | 1 | 12 · 13 | 10 |
| CDKG 14 HB | 10108205 | 1 | 13 · 14 | 10 |
| CDG 0 HB | 10108206 | 0 | - | 10 |
| CDGG 15 HB | 10108207 | 1 | 14 · 15 | 10 |
| CDGG 16 HB | 10108208 | 1 | 15 · 16 | 10 |
| CDGG 17 HB | 10108209 | 1 | 16 · 17 | 10 |
| CDGG 18 HB | 10108210 | 1 | 17 · 18 | 10 |
| CDGG 19 HB | 10108211 | 1 | 18 · 19 | 10 |
| CDGG 20 HB | 10108212 | 1 | 19 · 20 | 10 |
| CDGG 21 HB | 10108213 | 1 | 20 · 21 | 10 |
| CDGG 22 HB | 10108214 | 1 | 21 · 22 | 10 |
| CDGG 23 HB | 10108215 | 1 | 22 · 23 | 10 |
| CDGG 24 HB | 10108216 | 1 | 23 · 24 | 10 |
| CDGG 25 HB | 10108217 | 1 | 24 · 25 | 10 |
| CDGG 26 HB | 10108218 | 1 | 25 · 26 | 10 |
| CDGG 27 HB | 10108219 | 1 | 26 · 27 | 10 |
| CDGG 28 HB | 10108220 | 1 | 27 · 28 | 10 |
| CDGG 29 HB | 10108221 | 1 | 28 · 29 | 10 |
| CDGG 30 HB | 10108222 | 1 | 29 · 30 | 10 |
| CDGG 31 HB | 10108223 | 1 | 30 · 31 | 10 |
| CDGG 32 HB | 10108224 | 1 | 31 · 32 | 10 |
| CDGG 33 HB | 10108225 | 1 | 32 · 33 | 10 |
| CDKS 2-15 HB | 10108226 | 1 | 2 · 11 | 10 |
| CDGS 15-34 HB | 10108227 | 1 | 7 · 24 | 10 |
| CDKG 2x4-5 HB | 10108228 | 2 | 4 · 5 | 10 |
| CDKG 2x5-6 HB | 10108229 | 2 | 5 · 6 | 10 |
| CDKG 4x2-3 HB | 10108230 | 4 | 2 · 3 | 10 |
| CDKG 4x3-4 HB | 10108231 | 4 | 3 · 4 | 10 |
| CDKG/1xASI HB | 10108232 | 0 | - | 10 |
| CDKG/2xASI HB | 10108233 | 0 | - | 10 |



Cable Glands

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CONMAXX® Seals



Protection class IP66
Temperature range -40 · 90 °C
Material Thermoplastic elastomer; TPE UL94-V0
Advice CDK = Small seals, CDG = Big seals



| Type | RAL 7035 | No. of inserts | Ø Cable in mm | PU |
|----------------|----------|----------------|---------------|----|
| CDK 0 V0 | 10108234 | 0 | - | 10 |
| CDKG 2 V0 | 10108235 | 1 | 1,5 · 2 | 10 |
| CDKG 3 V0 | 10108236 | 1 | 2 · 3 | 10 |
| CDKG 4 V0 | 10108237 | 1 | 3 · 4 | 10 |
| CDKG 5 V0 | 10108238 | 1 | 4 · 5 | 10 |
| CDKG 6 V0 | 10108239 | 1 | 5 · 6 | 10 |
| CDKG 7 V0 | 10108240 | 1 | 6 · 7 | 10 |
| CDKG 8 V0 | 10108241 | 1 | 7 · 8 | 10 |
| CDKG 9 V0 | 10108242 | 1 | 8 · 9 | 10 |
| CDKG 10 V0 | 10108243 | 1 | 9 · 10 | 10 |
| CDKG 11 V0 | 10108244 | 1 | 10 · 11 | 10 |
| CDKG 12 V0 | 10108245 | 1 | 11 · 12 | 10 |
| CDKG 13 V0 | 10108246 | 1 | 12 · 13 | 10 |
| CDKG 14 V0 | 10108247 | 1 | 13 · 14 | 10 |
| CDG 0 V0 | 10108248 | 0 | - | 10 |
| CDGG 15 V0 | 10108249 | 1 | 14 · 15 | 10 |
| CDGG 16 V0 | 10108250 | 1 | 15 · 16 | 10 |
| CDGG 17 V0 | 10108251 | 1 | 16 · 17 | 10 |
| CDGG 18 V0 | 10108252 | 1 | 17 · 18 | 10 |
| CDGG 19 V0 | 10108253 | 1 | 18 · 19 | 10 |
| CDGG 20 V0 | 10108254 | 1 | 19 · 20 | 10 |
| CDGG 21 V0 | 10108255 | 1 | 20 · 21 | 10 |
| CDGG 22 V0 | 10108256 | 1 | 21 · 22 | 10 |
| CDGG 23 V0 | 10108257 | 1 | 22 · 23 | 10 |
| CDGG 24 V0 | 10108258 | 1 | 23 · 24 | 10 |
| CDGG 25 V0 | 10108259 | 1 | 24 · 25 | 10 |
| CDGG 26 V0 | 10108260 | 1 | 25 · 26 | 10 |
| CDGG 27 V0 | 10108261 | 1 | 26 · 27 | 10 |
| CDGG 28 V0 | 10108262 | 1 | 27 · 28 | 10 |
| CDGG 29 V0 | 10108263 | 1 | 28 · 29 | 10 |
| CDGG 30 V0 | 10108264 | 1 | 29 · 30 | 10 |
| CDGG 31 V0 | 10108265 | 1 | 30 · 31 | 10 |
| CDGG 32 V0 | 10108266 | 1 | 31 · 32 | 10 |
| CDGG 33 V0 | 10108267 | 1 | 32 · 33 | 10 |
| CDKG 2x4-5 V0 | 10108268 | 1 | 4 · 5 | 10 |
| CDKG 2x5-6 V0 | 10108269 | 1 | 5 · 6 | 10 |
| CDKG 2x7 V0 LG | 10111005 | 2 | 6 · 7 | 10 |
| CDKG 2x8 V0 LG | 10111006 | | 7 · 8 | 10 |
| CDKG 4x2-3 V0 | 10108270 | 4 | 2 · 3 | 10 |
| CDKG 4x3-4 V0 | 10108271 | 4 | 3 · 4 | 10 |
| CDKG/1xASI V0 | 10108272 | 0 | - | 10 |
| CDKG/2xASI V0 | 10108273 | 0 | - | 10 |

Cable Glands

Cable Entries

Cable Protection

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Cable Protection – The Brace® System

The demands placed on cable protection products are justifiably high. Along with protection against external conditions such as the temperature, dirt and impact, handling must remain simple and convenient. A demand that our fittings and conduits from our Brace® system meet.

BraceFITTING

Our fittings consist of one component, which avoids the assembly as well as the storage of several components. This saves time and costly storage space. Nothing can get lost and assembly mistakes are prevented. Due to the 360° closure of the conduits, our fittings guarantee high strain relief and vibration resistance.

Security

The various colour schemes of the O-ring seals tell the user which conduit is the right one at a glance.



Metallic

Non-metallic

Security

The directly injected seal ensures secure installation and perfect sealing properties.

Comfortable installation

Thanks to a unique closing system that directly grips into conduit.



BraceCONDUIT

Our wide range of conduits offer a high level of quality and robustness – for static as well as dynamic areas of application. They are designed and engineered to handle the highest of demands under the toughest of conditions.

Non-metallic



Metallic





Our products at a glance

Non-metallic BraceFITTING (Page 94 - 95)



Non-metallic/brass BraceFITTING (Page 96 - 99)



Non-metallic Connector (Page 100)



Non-metallic BraceCONDUIT (Page 101 - 105)



Metallic BraceFITTING (Page 106)



Metallic BraceCONDUIT (Page 107 - 109)



Explore more...




BraceFITTING, straight, polyamide, EBFS, metric



Protection class IP66, IP68
Temperature range -40 °C · 100 °C
Material Gland polyamide UL94-V0, Gasket TPU

Cable Glands

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---|------------|----------|----------|------------------|----------|----|
| | EBFS-07-12 | 10106844 | 10106861 | 7 | M 12x1,5 | 50 |
| EBFS-10-12 | 10106845 | 10106862 | 10 | M 12x1,5 | 50 | |
| EBFS-10-16 | 10106846 | 10106863 | 10 | M 16x1,5 | 50 | |
| EBFS-12-16 | 10106847 | 10106864 | 12 | M 16x1,5 | 50 | |
| EBFS-12-20 | 10106848 | 10106865 | 12 | M 20x1,5 | 50 | |
| EBFS-14-20 | 10106849 | 10106866 | 14 | M 20x1,5 | 50 | |
| EBFS-17-20 | 10106850 | 10106867 | 17 | M 20x1,5 | 50 | |
| EBFS-17-25 | 10106851 | 10106868 | 17 | M 25x1,5 | 50 | |
| EBFS-23-25 | 10106852 | 10106869 | 23 | M 25x1,5 | 25 | |
| EBFS-23-32 | 10106853 | 10106870 | 23 | M 32x1,5 | 25 | |
| EBFS-29-32 | 10106854 | 10106871 | 29 | M 32x1,5 | 25 | |
| EBFS-29-40 | 10106855 | 10106872 | 29 | M 40x1,5 | 25 | |
| EBFS-36-40 | 10106856 | 10106873 | 36 | M 40x1,5 | 10 | |
| EBFS-36-50 | 10106857 | 10106874 | 36 | M 50x1,5 | 10 | |
| EBFS-48-50 | 10106858 | 10106875 | 48 | M 50x1,5 | 5 | |
| EBFS-48-63 | 10106859 | 10106876 | 48 | M 63x1,5 | 5 | |


Cable Entries

BraceFITTING, straight, with internal thread, polyamide, EBFSI, metric



Protection class IP66, IP68
Temperature range -40 °C · 100 °C
Material Gland polyamide UL94-V0, Connection thread polyamide UL94-V0, Gasket TPU

Cable Protection

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---|-------------|----------|----------|------------------|----------|----|
| | EBFSI-10-16 | 10109747 | 10109740 | 10 | M 16x1,5 | 50 |
| EBFSI-12-20 | 10109748 | 10109741 | 12 | M 20x1,5 | 50 | |
| EBFSI-17-25 | 10109749 | 10109742 | 17 | M 25x1,5 | 50 | |
| EBFSI-23-32 | 10109750 | 10109743 | 23 | M 32x1,5 | 25 | |
| EBFSI-29-40 | 10109751 | 10109744 | 29 | M 40x1,5 | 10 | |
| EBFSI-36-50 | 10109752 | 10109745 | 36 | M 50x1,5 | 10 | |
| EBFSI-48-63 | 10109753 | 10109746 | 48 | M 63x1,5 | 5 | |


Junction Boxes

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BraceFITTING 45° angle, polyamide, EBF45, metric



Protection class IP66, IP68
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Gasket TPU




| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|-------------|----------|----------|------------------|----------|----|
| EBF45-07-12 | 10106948 | 10106956 | 7 | M 12x1,5 | 50 |
| EBF45-10-12 | 10108870 | 10108876 | 10 | M 12x1,5 | 50 |
| EBF45-10-16 | 10106949 | 10106957 | 10 | M 16x1,5 | 50 |
| EBF45-12-16 | 10106950 | 10106958 | 12 | M 16x1,5 | 50 |
| EBF45-12-20 | 10108871 | 10108877 | 12 | M 20x1,5 | 50 |
| EBF45-17-20 | 10106951 | 10106959 | 17 | M 20x1,5 | 50 |
| EBF45-17-25 | 10108872 | 10108878 | 17 | M 25x1,5 | 50 |
| EBF45-23-25 | 10106952 | 10106960 | 23 | M 25x1,5 | 25 |
| EBF45-23-32 | 10108873 | 10108879 | 23 | M 32x1,5 | 25 |
| EBF45-29-32 | 10106953 | 10106961 | 29 | M 32x1,5 | 25 |
| EBF45-29-40 | 10108874 | 10108880 | 29 | M 40x1,5 | 25 |
| EBF45-36-40 | 10106954 | 10106962 | 36 | M 40x1,5 | 10 |
| EBF45-36-50 | 10108875 | 10108881 | 36 | M 50x1,5 | 10 |
| EBF45-48-50 | 10106955 | 10106963 | 48 | M 50x1,5 | 5 |
| EBF45-48-63 | 10108882 | 10108883 | 48 | M 63x1,5 | 5 |

BraceFITTING 90° angle, polyamide, EBF90, metric



Protection class IP66, IP68
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Gasket TPU



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|-------------|----------|----------|------------------|----------|----|
| EBF90-07-12 | 10106966 | 10106974 | 7 | M 12x1,5 | 50 |
| EBF90-10-12 | 10108884 | 10108891 | 10 | M 12x1,5 | 50 |
| EBF90-10-16 | 10106967 | 10106975 | 10 | M 16x1,5 | 50 |
| EBF90-12-16 | 10106968 | 10106976 | 12 | M 16x1,5 | 50 |
| EBF90-12-20 | 10108885 | 10108892 | 12 | M 20x1,5 | 50 |
| EBF90-17-20 | 10106969 | 10106977 | 17 | M 20x1,5 | 50 |
| EBF90-17-25 | 10108886 | 10108893 | 17 | M 25x1,5 | 50 |
| EBF90-23-25 | 10106970 | 10106978 | 23 | M 25x1,5 | 25 |
| EBF90-23-32 | 10108887 | 10108894 | 23 | M 32x1,5 | 25 |
| EBF90-29-32 | 10106971 | 10106979 | 29 | M 32x1,5 | 25 |
| EBF90-29-40 | 10108888 | 10108895 | 29 | M 40x1,5 | 25 |
| EBF90-36-40 | 10106972 | 10106980 | 36 | M 40x1,5 | 10 |
| EBF90-36-50 | 10108889 | 10108896 | 36 | M 50x1,5 | 10 |
| EBF90-48-50 | 10106973 | 10106981 | 48 | M 50x1,5 | 5 |
| EBF90-48-63 | 10108890 | 10108897 | 48 | M 63x1,5 | 5 |

BraceFITTING, straight, polyamide / brass,
EMBFS, metric



Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

| | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|-------------|-------------|----------|----------|------------------|----------|----|
| | | | | | | |
| | EMBFS-07-12 | 10106877 | 10106893 | 7 | M 12x1,5 | 50 |
| | EMBFS-10-16 | 10106878 | 10106894 | 10 | M 16x1,5 | 50 |
| | EMBFS-10-20 | 10106879 | 10106895 | 10 | M 20x1,5 | 50 |
| | EMBFS-12-16 | 10106880 | 10106896 | 12 | M 16x1,5 | 50 |
| | EMBFS-12-20 | 10106881 | 10106897 | 12 | M 20x1,5 | 50 |
| | EMBFS-14-20 | 10106882 | 10106898 | 14 | M 20x1,5 | 50 |
| | EMBFS-17-20 | 10106883 | 10106899 | 17 | M 20x1,5 | 50 |
| | EMBFS-17-25 | 10106884 | 10106900 | 17 | M 25x1,5 | 50 |
| | EMBFS-23-25 | 10106885 | 10106901 | 23 | M 25x1,5 | 25 |
| | EMBFS-23-32 | 10106886 | 10106902 | 23 | M 32x1,5 | 25 |
| | EMBFS-29-32 | 10106887 | 10106903 | 29 | M 32x1,5 | 25 |
| | EMBFS-29-40 | 10106888 | 10106904 | 29 | M 40x1,5 | 25 |
| | EMBFS-36-40 | 10106889 | 10106905 | 36 | M 40x1,5 | 10 |
| | EMBFS-36-50 | 10106890 | 10106906 | 36 | M 50x1,5 | 10 |
| | EMBFS-48-50 | 10106891 | 10106907 | 48 | M 50x1,5 | 5 |
| EMBFS-48-63 | 10106892 | 10106908 | 48 | M 63x1,5 | 5 | |

BraceFITTING, straight, with internal thread,
polyamide / brass, EMBFSI, metric




Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

| | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|--|--------------|----------|----------|------------------|----------|----|
| | | | | | | |
| | EMBFSI-10-16 | 10106914 | 10106922 | 10 | M 16x1,5 | 50 |
| | EMBFSI-12-16 | 10106915 | 10106923 | 12 | M 16x1,5 | 50 |
| | EMBFSI-12-20 | 10106916 | 10106924 | 12 | M 20x1,5 | 50 |
| | EMBFSI-17-20 | 10106917 | 10106925 | 17 | M 20x1,5 | 50 |
| | EMBFSI-23-25 | 10106918 | 10106926 | 23 | M 25x1,5 | 50 |
| | EMBFSI-29-32 | 10106919 | 10106927 | 29 | M 32x1,5 | 25 |
| | EMBFSI-36-40 | 10106920 | 10106928 | 36 | M 40x1,5 | 10 |
| | EMBFSI-48-50 | 10106921 | 10106929 | 48 | M 50x1,5 | 5 |

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BraceFITTING 45° angle, EMBF45,
 polyamide and brass, metric



Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|--------------|----------|----------|------------------|----------|----|
| EMBF45-07-12 | 10106982 | 10107318 | 7 | M 12x1,5 | 50 |
| EMBF45-10-12 | 10106983 | 10107319 | 10 | M 12x1,5 | 50 |
| EMBF45-10-16 | 10106984 | 10107320 | 10 | M 16x1,5 | 50 |
| EMBF45-12-16 | 10106985 | 10107321 | 12 | M 16x1,5 | 50 |
| EMBF45-12-20 | 10106986 | 10107322 | 12 | M 20x1,5 | 50 |
| EMBF45-17-20 | 10106987 | 10107323 | 17 | M 20x1,5 | 50 |
| EMBF45-17-25 | 10106988 | 10107324 | 17 | M 25x1,5 | 50 |
| EMBF45-23-25 | 10106989 | 10107325 | 23 | M 25x1,5 | 25 |
| EMBF45-23-32 | 10106990 | 10107326 | 23 | M 32x1,5 | 25 |
| EMBF45-29-32 | 10106991 | 10107327 | 29 | M 32x1,5 | 25 |
| EMBF45-29-40 | 10106992 | 10107328 | 29 | M 40x1,5 | 25 |
| EMBF45-36-40 | 10106993 | 10107329 | 36 | M 40x1,5 | 10 |
| EMBF45-36-50 | 10106994 | 10107330 | 36 | M 50x1,5 | 10 |
| EMBF45-48-50 | 10106995 | 10107331 | 48 | M 50x1,5 | 5 |
| EMBF45-48-63 | 10106996 | 10107332 | 48 | M 63x1,5 | 5 |

BraceFITTING 45° angle, with internal thread,
 polyamide / brass, EMBF45I, metric


Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---------------|----------|----------|------------------|----------|----|
| EMBF45I-12-16 | 10107333 | 10107340 | 12 | M 16x1,5 | 50 |
| EMBF45I-12-20 | 10107334 | 10107341 | 12 | M 20x1,5 | 50 |
| EMBF45I-17-20 | 10107335 | 10107342 | 17 | M 20x1,5 | 50 |
| EMBF45I-23-25 | 10107336 | 10107343 | 23 | M 25x1,5 | 50 |
| EMBF45I-29-32 | 10107337 | 10107344 | 29 | M 32x1,5 | 25 |
| EMBF45I-36-40 | 10107338 | 10107345 | 36 | M 40x1,5 | 10 |
| EMBF45I-48-50 | 10107339 | 10107346 | 48 | M 50x1,5 | 10 |

Cable Glands

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BraceFITTING 90° angle, polyamide / brass, EMBF90, metric



Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|--------------|----------|----------|------------------|----------|----|
| | | | | | |
| EMBF90-07-12 | 10107013 | 10106998 | 7 | M 12x1,5 | 50 |
| EMBF90-10-12 | 10107014 | 10106999 | 10 | M 12x1,5 | 50 |
| EMBF90-10-16 | 10107015 | 10107000 | 10 | M 16x1,5 | 50 |
| EMBF90-12-16 | 10107016 | 10107001 | 12 | M 16x1,5 | 50 |
| EMBF90-12-20 | 10107017 | 10107002 | 12 | M 20x1,5 | 50 |
| EMBF90-17-20 | 10107018 | 10107003 | 17 | M 20x1,5 | 50 |
| EMBF90-17-25 | 10107019 | 10107004 | 17 | M 25x1,5 | 50 |
| EMBF90-23-25 | 10107020 | 10107005 | 23 | M 25x1,5 | 25 |
| EMBF90-23-32 | 10107021 | 10107006 | 23 | M 32x1,5 | 25 |
| EMBF90-29-32 | 10107022 | 10107007 | 29 | M 32x1,5 | 25 |
| EMBF90-29-40 | 10107023 | 10107008 | 29 | M 40x1,5 | 25 |
| EMBF90-36-40 | 10107024 | 10107009 | 36 | M 40x1,5 | 10 |
| EMBF90-36-50 | 10107025 | 10107010 | 36 | M 50x1,5 | 10 |
| EMBF90-48-50 | 10107026 | 10107011 | 48 | M 50x1,5 | 5 |
| EMBF90-48-63 | 10107027 | 10107012 | 48 | M 63x1,5 | 5 |

BraceFITTING 90° angle, with internal thread, polyamide / brass, EMBF90I, metric



Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

| Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---------------|----------|----------|------------------|----------|----|
| | | | | | |
| EMBF90I-10-16 | 10107354 | 10107363 | 10 | M 16x1,5 | 50 |
| EMBF90I-12-16 | 10107355 | 10107364 | 12 | M 16x1,5 | 50 |
| EMBF90I-12-20 | 10107356 | 10107365 | 12 | M 20x1,5 | 50 |
| EMBF90I-17-20 | 10107357 | 10107366 | 17 | M 20x1,5 | 50 |
| EMBF90I-23-25 | 10107359 | 10107367 | 23 | M 25x1,5 | 50 |
| EMBF90I-29-32 | 10107360 | 10107368 | 29 | M 32x1,5 | 25 |
| EMBF90I-36-40 | 10107361 | 10107369 | 36 | M 40x1,5 | 10 |
| EMBF90I-48-50 | 10107362 | 10107370 | 48 | M 50x1,5 | 10 |

Cable Glands

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BraceFITTING with cable gland, EMBFSCG,
 polyamide and brass, metric


Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---|-------------|----------|----------|------------------|----------|----|
| | EMBFS-10-16 | 10107371 | 10107379 | 10 | M 16x1,5 | 50 |
| EMBFS-12-16 | 10107372 | 10107380 | 12 | M 16x1,5 | 50 | |
| EMBFS-12-20 | 10107373 | 10107381 | 12 | M 20x1,5 | 50 | |
| EMBFS-17-20 | 10107374 | 10107382 | 17 | M 20x1,5 | 50 | |
| EMBFS-23-25 | 10107375 | 10107383 | 23 | M 25x1,5 | 25 | |
| EMBFS-29-32 | 10107376 | 10107384 | 29 | M 32x1,5 | 25 | |
| EMBFS-36-40 | 10107377 | 10107385 | 36 | M 40x1,5 | 5 | |
| EMBFS-48-50 | 10107378 | 10107386 | 48 | M 50x1,5 | 5 | |


BraceFITTING, with cable gland, 45° angle, EMBF45CG, metric


Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---|-------------|----------|----------|------------------|----------|----|
| | EMB45-12-16 | 10107987 | 10107993 | 12 | M 16x1,5 | 50 |
| EMB45-17-20 | 10107988 | 10107994 | 17 | M 20x1,5 | 50 | |
| EMB45-23-25 | 10107989 | 10107995 | 23 | M 25x1,5 | 25 | |
| EMB45-29-32 | 10107990 | 10107996 | 29 | M 32x1,5 | 25 | |
| EMB45-36-40 | 10107991 | 10107997 | 36 | M 40x1,5 | 5 | |
| EMB45-48-50 | 10107992 | 10107998 | 48 | M 50x1,5 | 5 | |

BraceFITTING, with cable gland, 90° angle, EMBF90CG, metric


Protection class IP68, IP66
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Connection thread brass nickel-plated, Gasket TPU

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Thread | PU |
|---|-------------|----------|----------|------------------|----------|----|
| | EMB90-10-16 | 10107999 | 10108006 | 10 | M 16x1,5 | 50 |
| EMB90-12-16 | 10108000 | 10108007 | 12 | M 16x1,5 | 50 | |
| EMB90-17-20 | 10108001 | 10108008 | 17 | M 20x1,5 | 50 | |
| EMB90-23-25 | 10108002 | 10108009 | 23 | M 25x1,5 | 25 | |
| EMB90-29-32 | 10108003 | 10108010 | 29 | M 32x1,5 | 25 | |
| EMB90-36-40 | 10108004 | 10108011 | 36 | M 40x1,5 | 5 | |
| EMB90-48-50 | 10108005 | 10108012 | 48 | M 50x1,5 | 5 | |

BraceFITTING, Adaptor-Connector



Protection class IP68
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Gasket TPU

| | Type | RAL 7031 | RAL 9005 | Nominal width mm | PU |
|--|-----------|----------|----------|------------------|----|
| | BFC-10-10 | 10109733 | 10109726 | 10 | 5 |
| | BFC-12-12 | 10109734 | 10109727 | 12 | 5 |
| | BFC-17-17 | 10109735 | 10109728 | 17 | 5 |
| | BFC-23-23 | 10109736 | 10108009 | 23 | 5 |
| | BFC-29-29 | 10109737 | 10109730 | 29 | 2 |
| | BFC-36-36 | 10109738 | 10109731 | 36 | 2 |
| | BFC-48-48 | 10109739 | 10109732 | 48 | 2 |

BraceFITTING, Y-Connector



Protection class IP68
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Gasket TPU

| | Type | RAL 7031 | RAL 9005 | Nominal width 1 mm | Nominal width 2 mm | PU |
|--|--------------|----------|----------|--------------------|--------------------|----|
| | BFY-17-10-10 | 10109760 | 10109754 | 17 | 10 | 5 |
| | BFY-17-12-12 | 10109761 | 10109755 | 17 | 12 | 5 |
| | BFY-23-17-17 | 10109762 | 10109756 | 23 | 17 | 5 |
| | BFY-29-23-23 | 10109763 | 10109757 | 29 | 23 | 5 |
| | BFY-36-29-29 | 10109764 | 10109758 | 36 | 29 | 2 |
| | BFY-48-36-36 | 10109765 | 10109759 | 48 | 36 | 2 |

BraceFITTING, T-Connector



Protection class IP68
Temperature range -40 °C - 100 °C
Material Gland polyamide UL94-V0, Gasket TPU


| | Type | RAL 7031 | RAL 9005 | Nominal width 1 mm | Nominal width 2 mm | PU |
|--|--------------|----------|----------|--------------------|--------------------|----|
| | BFT-12-12-12 | 10109772 | 10109766 | 17 | 10 | 5 |
| | BFT-17-17-17 | 10109773 | 10109767 | 17 | 12 | 5 |
| | BFT-23-23-23 | 10109774 | 10109768 | 23 | 17 | 5 |
| | BFT-29-29-29 | 10109775 | 10109769 | 29 | 23 | 5 |
| | BFT-36-36-36 | 10109776 | 10109770 | 36 | 29 | 2 |
| | BFT-48-48-48 | 10109777 | 10109771 | 48 | 36 | 2 |

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BraceCONDUIT, BCA-S, polyamide PA6 V0



Temperature range -40 °C - 140 °C
Material PA6 UL94-V0




| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|----------|----------|----------|------------------|-------------------|--------|
| BCA-S-07 | 10109177 | 10109175 | 7 | 10 | 50 |
| BCA-S-10 | 10107079 | 10107072 | 10 | 13 | 50 |
| BCA-S-12 | 10107080 | 10107073 | 12 | 15,7 | 50 |
| BCA-S-14 | 10107081 | 10107074 | 14 | 18,5 | 50 |
| BCA-S-17 | 10107082 | 10107075 | 17 | 21,2 | 50 |
| BCA-S-23 | 10107083 | 10107076 | 23 | 28,3 | 50 |
| BCA-S-29 | 10107084 | 10107077 | 29 | 34,5 | 25 |
| BCA-S-36 | 10107085 | 10107078 | 36 | 42,2 | 25 |
| BCA-S-48 | 10109178 | 10109176 | 48 | 54,5 | 25 |

BraceCONDUIT, divided, BCA-D, polyamide PA6 V0



Temperature range -40 °C - 140 °C
Material PA6 UL94-V0



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|----------|----------|----------|------------------|-------------------|--------|
| BCA-10-D | 10107127 | 10107120 | 10 | 12,9 | 50 |
| BCA-12-D | 10107128 | 10107121 | 12 | 15,8 | 50 |
| BCA-17-D | 10107129 | 10107122 | 17 | 21 | 50 |
| BCA-23-D | 10107130 | 10107123 | 23 | 28,3 | 50 |
| BCA-29-D | 10107131 | 10107124 | 29 | 34,5 | 25 |
| BCA-36-D | 10107132 | 10107125 | 36 | 41,8 | 25 |
| BCA-48-D | 10107133 | 10107126 | 48 | 54,2 | 25 |

Cable Glands

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BraceCONDUIT, BCAV-S, polyamide PA6 V2  


Temperature range -40 °C - 125 °C
Material PA6 UL94-V2



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|-----------|----------|----------|------------------|-------------------|--------|
| BCAV-S-07 | 10107095 | 10107086 | 7 | 10 | 50 |
| BCAV-S-10 | 10107096 | 10107087 | 10 | 13 | 50 |
| BCAV-S-12 | 10107097 | 10107088 | 12 | 15,7 | 50 |
| BCAV-S-14 | 10107098 | 10107089 | 14 | 18,5 | 50 |
| BCAV-S-17 | 10107099 | 10107090 | 17 | 21,2 | 50 |
| BCAV-S-23 | 10107100 | 10107091 | 23 | 28,3 | 50 |
| BCAV-S-29 | 10107101 | 10107092 | 29 | 34,5 | 25 |
| BCAV-S-36 | 10107102 | 10107093 | 36 | 42,4 | 25 |
| BCAV-S-48 | 10107103 | 10107094 | 48 | 54,5 | 25 |

BraceCONDUIT, heavy, BCAV-H, polyamide PA6 V2  

Temperature range -40 °C - 125 °C
Material PA6 UL94-V2



| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|-----------|----------|----------|------------------|-------------------|--------|
| BCAV-H-07 | 10109207 | 10109199 | 7 | 10 | 50 |
| BCAV-H-10 | 10109208 | 10109200 | 10 | 13 | 50 |
| BCAV-H-12 | 10109209 | 10109201 | 12 | 15,8 | 50 |
| BCAV-H-17 | 10109210 | 10109202 | 17 | 21 | 50 |
| BCAV-H-23 | 10109211 | 10109203 | 23 | 28,5 | 50 |
| BCAV-H-29 | 10109212 | 10109204 | 29 | 34,5 | 25 |
| BCAV-H-36 | 10109213 | 10109205 | 36 | 42,5 | 25 |
| BCAV-H-48 | 10109214 | 10109206 | 48 | 54,5 | 25 |

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BraceCONDUIT, divided, BCAV-D, polyamide PA6 V2



Temperature range -40 °C - 125 °C
Material PA6 UL94-V2




| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|-----------|----------|----------|------------------|-------------------|--------|
| BCAV-10-D | 10107141 | 10107134 | 10 | 12,9 | 50 |
| BCAV-12-D | 10107142 | 10107135 | 12 | 15,8 | 50 |
| BCAV-17-D | 10107143 | 10107136 | 17 | 21 | 50 |
| BCAV-23-D | 10107144 | 10107137 | 23 | 28,3 | 50 |
| BCAV-29-D | 10107145 | 10107138 | 29 | 34,5 | 25 |
| BCAV-36-D | 10107146 | 10107139 | 36 | 41,8 | 25 |
| BCAV-48-D | 10107147 | 10107140 | 48 | 54,2 | 25 |

BraceCONDUIT, BCAB-L, polyamide PA 6 HB, lightweight



Temperature range -40 °C - 140 °C
Material PA6 UL94-HB

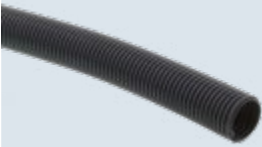


| Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|-----------|----------|----------|------------------|-------------------|--------|
| BCAB-L-07 | 10109190 | 10109181 | 7 | 10 | 50 |
| BCAB-L-10 | 10109191 | 10109182 | 10 | 13 | 50 |
| BCAB-L-12 | 10109192 | 10109183 | 12 | 15,7 | 50 |
| BCAB-L-14 | 10109193 | 10109184 | 14 | 18,5 | 50 |
| BCAB-L-17 | 10109194 | 10109185 | 17 | 21,2 | 50 |
| BCAB-L-23 | 10109195 | 10109186 | 23 | 28,3 | 50 |
| BCAB-L-29 | 10109196 | 10109187 | 29 | 34,5 | 25 |
| BCAB-L-36 | 10109197 | 10109188 | 36 | 42,4 | 25 |
| BCAB-L-48 | 10109198 | 10109189 | 48 | 54,5 | 25 |

BraceCONDUIT, BCI-S, polyamide PA12 V1



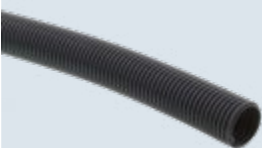
Temperature range -40 °C - 110 °C
Material WISKAmid PA12 V1 RW

|  | Type | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|---|----------|----------|------------------|-------------------|--------|
| | BCI-S-07 | 10109948 | 7 | 10 | 50 |
| BCI-S-10 | 10109949 | 10 | 13 | 50 | |
| BCI-S-12 | 10109950 | 12 | 15,8 | 50 | |
| BCI-S-17 | 10109951 | 17 | 21 | 50 | |
| BCI-S-23 | 10109952 | 23 | 28,5 | 50 | |
| BCI-S-29 | 10109953 | 29 | 34,5 | 25 | |
| BCI-S-36 | 10109954 | 36 | 42,5 | 25 | |
| BCI-S-48 | 10109955 | 48 | 54,5 | 25 | |

BraceCONDUIT, heavy, wide profile, BCI-H-W, polyamide PA12 V1




Temperature range -40 °C - 110 °C
Material WISKAmid PA12 V1 RW

|  | Type | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|---|------------|----------|------------------|-------------------|--------|
| | BCI-H-07-W | 10109964 | 7 | 10 | 50 |
| BCI-H-10-W | 10109965 | 10 | 13 | 50 | |
| BCI-H-12-W | 10109966 | 12 | 15,8 | 50 | |
| BCI-H-14-W | 10110210 | 14 | 18,5 | 50 | |
| BCI-H-17-W | 10109967 | 17 | 21 | 50 | |
| BCI-H-23-W | 10109968 | 23 | 28,5 | 50 | |
| BCI-H-29-W | 10109969 | 29 | 34,5 | 25 | |
| BCI-H-36-W | 10109970 | 36 | 42,5 | 25 | |
| BCI-H-48-W | 10109971 | 48 | 54,5 | 25 | |

BraceCONDUIT, BCIV-S, polyamide PA12 V2



Temperature range -40 °C - 110 °C
Material PA12 UL94-V2

|  | Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|---|-----------|----------|----------|------------------|-------------------|--------|
| | BCIV-S-07 | 10109180 | 10109179 | 7 | 10 | 50 |
| BCIV-S-10 | 10107112 | 10107104 | 10 | 13 | 50 | |
| BCIV-S-12 | 10107113 | 10107105 | 12 | 15,8 | 50 | |
| BCIV-S-14 | 10107114 | 10107106 | 14 | 18,5 | 50 | |
| BCIV-S-17 | 10107115 | 10107107 | 17 | 21 | 50 | |
| BCIV-S-23 | 10107116 | 10107108 | 23 | 28,5 | 50 | |
| BCIV-S-29 | 10107117 | 10107109 | 29 | 34,5 | 25 | |
| BCIV-S-36 | 10107118 | 10107110 | 36 | 42,3 | 25 | |
| BCIV-S-48 | 10107119 | 10107111 | 48 | 54,2 | 25 | |

Cable Glands

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BraceCONDUIT, BCIB-S, polyamide PA12 HB



Temperature range -40 °C - 120 °C
Material PA12 UL94-V2

| | Type | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|--|-----------|----------|------------------|-------------------|--------|
| | | | | | |
| | BCIB-S-10 | 10111351 | 10 | 13 | 50 |
| | BCIB-S-12 | 10111352 | 12 | 15,8 | 50 |
| | BCIB-S-14 | 10111353 | 14 | 18,5 | 50 |
| | BCIB-S-17 | 10111354 | 17 | 21 | 50 |
| | BCIB-S-23 | 10111355 | 23 | 28,5 | 50 |
| | BCIB-S-29 | 10111356 | 29 | 34,5 | 25 |
| | BCIB-S-36 | 10111357 | 36 | 42,5 | 25 |
| | BCIB-S-48 | 10111358 | 48 | 54,5 | 25 |
| | BCIB-S-70 | 10111359 | 70 | 79,2 | 25 |
| | BCIB-S-90 | 10111360 | 90 | 106 | |

BraceCONDUIT, heavy, BCIB-H, polyamide PA12 HB



Temperature range -40 °C - 120 °C
Material PA12 UL94-HB

| | Type | RAL 7031 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|--|-----------|----------|----------|------------------|-------------------|--------|
| | | | | | | |
| | BCIB-H-07 | 10109229 | 10109220 | 7 | 10 | 50 |
| | BCIB-H-10 | 10109230 | 10109221 | 10 | 13 | 50 |
| | BCIB-H-12 | 10109231 | 10109222 | 12 | 15,8 | 50 |
| | BCIB-H-14 | 10109232 | 10109223 | 14 | 18,5 | 50 |
| | BCIB-H-17 | 10109233 | 10109224 | 17 | 21 | 50 |
| | BCIB-H-23 | 10109234 | 10109225 | 23 | 28,5 | 50 |
| | BCIB-H-29 | 10109235 | 10109226 | 29 | 34,5 | 25 |
| | BCIB-H-36 | 10109236 | 10109227 | 36 | 42,5 | 25 |
| | BCIB-H-48 | 10109237 | 10109228 | 48 | 54,5 | 25 |

BraceCONDUIT, Clip, BCC, polyamide




Temperatur range -40 °C - 100 °C
Material Polyamid UL94-V0

| | Type | RAL 7031 | RAL 9005 | Nominal width mm | PU |
|--|--------|----------|----------|------------------|----|
| | | | | | |
| | BCC-07 | 10106930 | 10106939 | 7 | 50 |
| | BCC-10 | 10106931 | 10106940 | 10 | 50 |
| | BCC-12 | 10106932 | 10106941 | 12 | 50 |
| | BCC-14 | 10106933 | 10106942 | 14 | 50 |
| | BCC-17 | 10106934 | 10106943 | 17 | 50 |
| | BCC-23 | 10106935 | 10106944 | 23 | 25 |
| | BCC-29 | 10106936 | 10106945 | 29 | 10 |
| | BCC-36 | 10106937 | 10106946 | 36 | 10 |
| | BCC-48 | 10106938 | 10106947 | 48 | 5 |

BraceFITTING, EMBMFS-S, brass, for smooth conduits




Protection class IP67
Temperature range -45 °C - 145 °C
Material Fitting Brass nickel-plated, Gasket PA

|  | Type | Order No. | Nominal width mm | Thread | PU |
|---|----------------|-----------|------------------|----------|----|
| | EMBMFS-S-10-16 | 10109089 | 10 | M 16x1,5 | 5 |
| | EMBMFS-S-12-16 | 10109091 | 12 | M 16x1,5 | 5 |
| | EMBMFS-S-16-20 | 10109097 | 16 | M 20x1,5 | 5 |
| | EMBMFS-S-16-25 | 10109099 | 16 | M 25x1,5 | 5 |
| | EMBMFS-S-21-25 | 10109103 | 21 | M 25x1,5 | 5 |
| | EMBMFS-S-27-32 | 10109107 | 27 | M 32x1,5 | 2 |
| | EMBMFS-S-35-40 | 10109111 | 35 | M 40x1,5 | 2 |
| | EMBMFS-S-40-50 | 10109115 | 40 | M 50x1,5 | 2 |
| | EMBMFS-S-50-63 | 10109119 | 50 | M 63x1,5 | 2 |

BraceFITTING, EMBMFS-C, brass, for corrugated conduits



Protection class IP67
Temperature range -45 °C - 145 °C
Material Fitting Brass nickel-plated, Gasket PA

|  | Type | Order No. | Nominal width mm | Thread | PU |
|---|----------------|-----------|------------------|----------|----|
| | EMBMFS-C-10-16 | 10109090 | 10 | M 16x1,5 | 5 |
| | EMBMFS-C-12-16 | 10109092 | 12 | M 16x1,5 | 5 |
| | EMBMFS-C-16-20 | 10109098 | 16 | M 20x1,5 | 5 |
| | EMBMFS-C-21-25 | 10109104 | 21 | M 25x1,5 | 5 |
| | EMBMFS-C-27-32 | 10109108 | 27 | M 32x1,5 | 2 |
| | EMBMFS-C-35-40 | 10109112 | 35 | M 40x1,5 | 2 |
| | EMBMFS-C-40-50 | 10109116 | 40 | M 50x1,5 | 2 |
| | EMBMFS-C-50-63 | 10109120 | 50 | M 63x1,5 | 2 |

BraceCONDUIT, BMCG-PVC-C, PVC coated, corrugated



Temperature range -15 °C - 70 °C

Material Galvanised steel, Tube cover PVC, Surface corrugated

| | Type | RAL 7005 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|--|---------------|----------|----------|------------------|-------------------|--------|
| | | | | | | |
| | BMCG-PVC-C-10 | 10109015 | 10109007 | 10 | 13,5 | 30 |
| | BMCG-PVC-C-12 | 10109016 | 10109008 | 12 | 15,7 | 30 |
| | BMCG-PVC-C-16 | 10109017 | 10109009 | 16 | 19,5 | 30 |
| | BMCG-PVC-C-21 | 10109018 | 10109010 | 21 | 24,7 | 30 |
| | BMCG-PVC-C-27 | 10109019 | 10109011 | 27 | 31,7 | 30 |
| | BMCG-PVC-C-35 | 10109020 | 10109012 | 35 | 40 | 30 |
| | BMCG-PVC-C-40 | 10109021 | 10109013 | 40 | 45 | 25 |
| | BMCG-PVC-C-50 | 10109022 | 10109014 | 50 | 56 | 25 |

BraceCONDUIT, BMCG-PVC-S, PVC coated, smooth



Temperature range -15 °C - 80 °C

Material Galvanised steel, Tube cover PVC, Surface smooth

| | Type | RAL 7005 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|--|---------------|----------|----------|------------------|-------------------|--------|
| | | | | | | |
| | BMCG-PVC-S-10 | 10109031 | 10109023 | 10 | 15,5 | 30 |
| | BMCG-PVC-S-12 | 10109032 | 10109024 | 12 | 18 | 30 |
| | BMCG-PVC-S-16 | 10109033 | 10109025 | 16 | 21,5 | 30 |
| | BMCG-PVC-S-21 | 10109034 | 10109026 | 21 | 27 | 30 |
| | BMCG-PVC-S-27 | 10109035 | 10109027 | 27 | 33 | 30 |
| | BMCG-PVC-S-35 | 10109036 | 10109028 | 35 | 43 | 30 |
| | BMCG-PVC-S-40 | 10109037 | 10109029 | 40 | 48 | 25 |
| | BMCG-PVC-S-50 | 10109038 | 10109030 | 50 | 56 | 25 |

Cable Glands

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BraceCONDUIT, BMCG-PVC-S-GT,
 PVC coated, smooth, greater temperature range


Temperature range -40 °C - 105 °C
Material Galvanised steel, Tube cover PVC, Surface smooth

|  | Type | RAL 7005 | RAL 9005 | Nominal width mm | Outer diameter mm | PU (m) |
|---|------------------|----------|----------|------------------|-------------------|--------|
| | BMCG-PVC-S-10-GT | 10109047 | 10109039 | 10 | 15,5 | 30 |
| BMCG-PVC-S-12-GT | 10109048 | 10109040 | 12 | 18 | 30 | |
| BMCG-PVC-S-16-GT | 10109049 | 10109041 | 16 | 21,5 | 30 | |
| BMCG-PVC-S-21-GT | 10109050 | 10109042 | 21 | 27 | 30 | |
| BMCG-PVC-S-27-GT | 10109051 | 10109043 | 27 | 33 | 30 | |
| BMCG-PVC-S-35-GT | 10109052 | 10109044 | 35 | 43 | 30 | |
| BMCG-PVC-S-40-GT | 10109053 | 10109045 | 40 | 48 | 25 | |
| BMCG-PVC-S-50-GT | 10109054 | 10109046 | 50 | 56 | 25 | |

BraceCONDUIT, BMCG-PU-C, PU coated, corrugated



Temperature range -45 °C - 120 °C
Material Galvanised steel, Tube cover PU, Surface corrugated

|  | Type | RAL 7005 | RAL 9005 | RAL 5015 | Nominal width mm | Outer diameter mm | PU (m) |
|---|--------------|----------|----------|----------|------------------|-------------------|--------|
| | BMCG-PU-C-10 | 10109071 | 10109055 | 10109063 | 10 | 13,5 | 30 |
| BMCG-PU-C-12 | 10109072 | 10109056 | 10109064 | 12 | 15,7 | 30 | |
| BMCG-PU-C-16 | 10109073 | 10109057 | 10109065 | 16 | 19,5 | 30 | |
| BMCG-PU-C-21 | 10109074 | 10109058 | 10109066 | 21 | 24,7 | 30 | |
| BMCG-PU-C-27 | 10109075 | 10109059 | 10109067 | 27 | 31,7 | 30 | |
| BMCG-PU-C-35 | 10109076 | 10109060 | 10109068 | 35 | 40 | 30 | |
| BMCG-PU-C-40 | 10109077 | 10109061 | 10109069 | 40 | 45 | 25 | |
| BMCG-PU-C-50 | 10109078 | 10109062 | 10109070 | 50 | 56 | 25 | |

BraceCONDUIT, BMCG-PVC-C-BG,
 PVC coated and steel wire over-braid

Temperature range -15 °C - 70 °C

Material Galvanised steel, Tube cover galvanised steel, Surface corrugated




| Type | Order No. | Nominal width mm | Outer diameter mm | PU (m) |
|------------------|-----------|------------------|-------------------|--------|
| BMCG-PVC-C-BG-10 | 10109079 | 10 | 15 | 30 |
| BMCG-PVC-C-BG-12 | 10109080 | 12 | 17,5 | 30 |
| BMCG-PVC-C-BG-16 | 10109081 | 16 | 21 | 30 |
| BMCG-PVC-C-BG-21 | 10109082 | 21 | 26,5 | 30 |
| BMCG-PVC-C-BG-27 | 10109083 | 27 | 32,5 | 30 |
| BMCG-PVC-C-BG-35 | 10109084 | 35 | 42,5 | 30 |
| BMCG-PVC-C-BG-40 | 10109085 | 40 | 47,5 | 25 |
| BMCG-PVC-C-BG-50 | 10109086 | 50 | 59 | 25 |

BraceCONDUIT, Clip, BMCC

Temperature range -40 °C - 100 °C

Material Galvanised steel



| Type | Order No. | Inner diameter mm | PU |
|------------|-----------|-------------------|----|
| BMCC-13-17 | 10109251 | 13 - 17 | 10 |
| BMCC-17-21 | 10109252 | 17 - 21 | 10 |
| BMCC-21-26 | 10109253 | 21 - 26 | 10 |
| BMCC-28-34 | 10109254 | 28 - 34 | 10 |
| BMCC-37-44 | 10109255 | 37 - 44 | 10 |
| BMCC-48-55 | 10109256 | 48 - 55 | 10 |

Junction boxes

Easy and quick installation, suitable for indoor and outdoor applications, from a large to a small installation space, special colours or bellied as well as transparent lids – our product range of junction boxes and matching accessories offers a solution for every application.

The COMBI® Series

With a special design and highest plastic quality, which is UV and ozone resistant, it has been complying with the most demanding contractors requirements for years: The COMBI® junction box series is an original in every detail.



The KA Series

With a practical design that offers a wide range of fastening options, a lid and box that hold together even on uneven surfaces and a lid that never gets lost. The latest KA series convinces with many features.



Unique flexibility in their cable entries



Pierce the membrane and enter the cable. No further tool required.



Clean and easy installation with membrane cable entries on the rear of the box.



Quick cable gland installation with a combination of threaded membrane entries.



Optional strain relief on the cable. See page 115.

Versatile mounting options



The ESV can be used for installations at the cable track with 6 mm holes. See page 116.



The EDV are suitable for installations at the long holes of the cable track. See page 116.



Fixture with cable ties. Conveniently placed all around the rear side.



The ESD 30 are suitable for installations at the wall without any screws. See page 116.



Our products at a glance

COMBI® Junction Boxes (Page 112 - 117)



KA Installation boxes (Page 118 - 119)



KonnektIT (Page 120)



WHK Junction boxes (Page 121)



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Terminals (Page 123)



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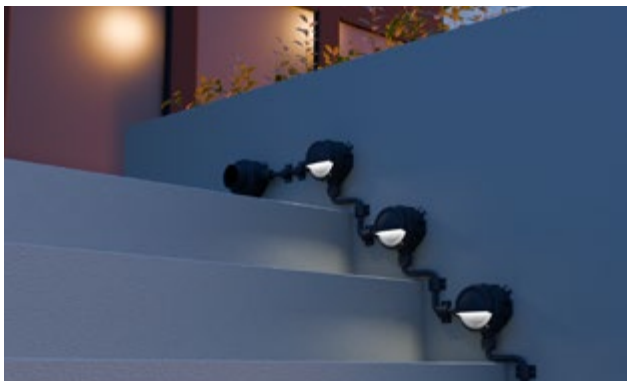


The all Rounder: Our COMBI® 304 System

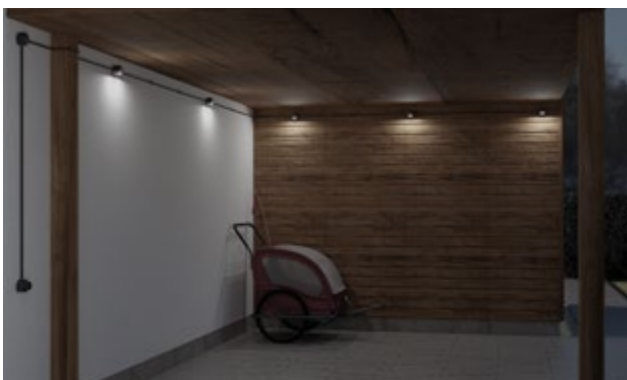
A trio of essential components designed to elevate your installation. This comprehensive system features a switch, junction box and LED light, each meticulously crafted to deliver unparalleled functionality and performance.

Discover the perfect synergy of efficiency, reliability and versatility with the COMBI® 304 System.

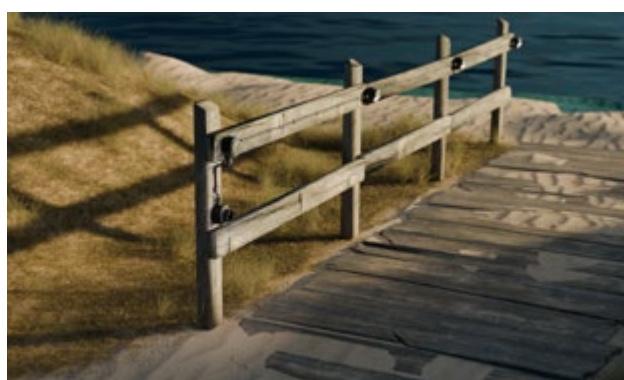
Garden lighting



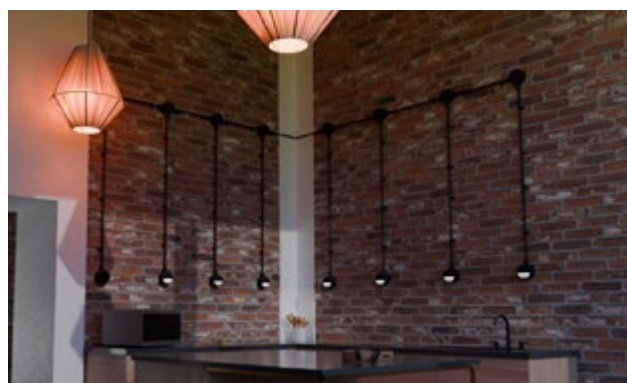
Carport lighting



Path lighting



Industrial lighting



Junction Box, COMBI® 304



| | | | |
|---------------------------------|-----------------|----------------------------|---------------------------------------|
| Protection class | IP66 / IP67 | Voltage | 400 V |
| Glow wire test | 750 °C | Material | Polypropylene, Gasket TPE |
| Temperature range | -30 °C – 100 °C | Dimensions | ø 82 x 57 mm, mounting distance 90 mm |
| Installation temperature | -5 °C – 60 °C | Rated cross section | 2,5 mm ² |

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Terminal Type | PU |
|--|---------------------|-------------|-------------|-------------|---|----|
| | COMBI 304 | 10110629 | 10110630 | 10110631 | non | 5 |
| | COMBI 304/5 | 10110632 | 10110633 | 10110634 | 5-poles terminal block | 5 |
| | COMBI 304/3x221-413 | 10110635 | 10110636 | 10110637 | inkl. 1 WAGO terminal holder and 3 WAGO terminals 221-413 | 5 |

LED Light, COMBI® 304 LED

| | | | |
|--------------------------|----------------|------------------------|---------------------------------------|
| Protection class | IP66 | Rated lifetime | L90/B10 @ Ta +45 °C |
| Glow wire test | 750 °C | System lifetime | 30,000 h |
| Temperature range | -20 °C – 45 °C | Lumen | 250 lm |
| Voltage | 230 V | Material | Polypropylene, Gasket TPE |
| Power | 2.5 W | Dimensions | ø 82 x 67 mm, mounting distance 90 mm |

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Contents | PU |
|--|---------------|-------------|-------------|-------------|-------------------|----|
| | COMBI 304 LED | 10112593 | 10112591 | 10112594 | incl. 1 x ESKV 20 | 1 |

Rotary switch, COMBI® 304 Switch



| | | | |
|--------------------------|----------------|-------------------|---------------------------------------|
| Protection class | IP66 / IP67 | Voltage | 250 V |
| Glow wire test | 750 °C | Current | 10A |
| Temperature range | -30 °C – 55 °C | Material | Polypropylene, Gasket TPE |
| | | Dimensions | ø 82 x 78 mm, mounting distance 90 mm |

| | Type | RAL 7035 LG | RAL 9005 BK | Switch type | PU |
|--|-------------------------|-------------|-------------|-----------------------|----|
| | COMBI 304 SWITCH RS/1-2 | 10111001 | 10110647 | On-Off, 2-pole | 1 |
| | COMBI 304 SWITCH RS/5-1 | 10111002 | 10110648 | Multi-circuit, 1-pole | 1 |
| | COMBI 304 SWITCH RS/6-1 | 10111003 | 10110649 | Change-over, 1-pole | 1 |
| | COMBI 304 SWITCH RS/7-1 | 10111004 | 10110650 | Four-way, 1-pole | 1 |

Junction Box, COMBI® 206



| | | | |
|---------------------------------|-----------------|----------------------------|---------------------------|
| Protection class | IP66 / IP67 | Voltage | 400 V |
| Glow wire test | 750 °C | Material | Polypropylene, Gasket TPE |
| Temperature range | -30 °C – 100 °C | Dimensions | 85 x 49 x 51 mm |
| Installation temperature | -5 °C – 60 °C | Rated cross section | 1,5 mm ² |

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Terminal Type | PU |
|--|------------------------------|-------------|-------------|-------------|--|----|
| | COMBI 206 | 10109569 | 10109571 | 10109573 | non | 10 |
| | COMBI 206/5 | 10109570 | 10109572 | 10109574 | 5-poles terminal block | 10 |
| | COMBI 206/ 3xWAGO 221-413 | 10109901 | 10109900 | 10109902 | incl.1 WAGO terminal holder and 3 WAGO terminals 221-413 | 10 |

Junction Box, COMBI® 308



| | | | |
|---------------------------------|-----------------|----------------------------|--|
| Protection class | IP66 / IP67 | Voltage | 400 V |
| Glow wire test | 750 °C | Material | Polypropylene, Gasket TPE |
| Temperature range | -30 °C – 100 °C | Dimensions | 85 x 85 x 51 mm |
| Installation temperature | -5 °C – 60 °C | Rated cross section | 4,0 mm ² |
| | | | Incl. SMB = Mounting clip for snap-on fixing |

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 7035 / LG RAL 3000 / RD | Terminal Type | PU |
|--|-------------------------|-------------|-------------|-------------|--------------------------------|--|----|
| | COMBI 308 | 10060400 | 10060581 | 10060610 | 10060480 | non | 5 |
| | COMBI 308/5 | 10060401 | 10060580 | 10060611 | 10107390 | 5-poles terminal block | 5 |
| | COMBI 308/ 3-221-413 | 10110403 | 10110404 | 10110405 | | incl. 1 WAGO terminal holder and 3 WAGO terminals 221-41 | 5 |

Cable Glands

Cable Entries

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Junction Boxes

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Junction Box, COMBI® 407    

Protection class IP66 / IP67
Glow wire test 750 °C
Temperature range -30 °C – 100 °C
Installation temperature -5 °C – 60 °C


Voltage 690 V
Material Polypropylene, Gasket TPE
Dimensions 95 x 95 x 60 mm
Rated cross section 4,0 mm²
 Incl. SMB = Mounting clip for snap-on fixing

|  | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 7035 / LG RAL 3000 / RD | Terminal Type | PU |
|---|-------------------------|-------------|-------------|-------------|--------------------------------|---|----|
| | COMBI 407 | 10105595 | 10105601 | 10105598 | 10106840 | non | 5 |
| | COMBI 407/5 | 10105596 | 10105602 | 10105599 | | 5-poles terminal block | 5 |
| | COMBI 407/ SDK5 | 10105597 | 10105603 | 10105600 | | Screwless box terminal 5-poles | 5 |
| | COMBI 407/ 3-221-413 | 10109674 | 10109673 | 10109675 | | incl. 1 WAGO terminal holder and 3 WAGO terminals 221-413 | 5 |

Junction Box, COMBI® 607     

Protection class IP66 / IP67
Glow wire test 750 °C
Temperature range -30 °C – 100 °C
Installation temperature -5 °C – 60 °C

Voltage 690 V
Material Polypropylene, Gasket TPE
Dimensions 110 x 110 x 66 mm
Rated cross section 6,0 mm²
 IND = Version with flat cover

|  | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 7035 / LG RAL 3000 / RD | Terminal Type | PU |
|---|-----------------|-------------|-------------|-------------|--------------------------------|------------------------|----|
| | COMBI 607 | 10060531 | 10060648 | 10060533 | 10102628 | non | 5 |
| | COMBI 607/5 | 10060532 | 10060538 | 10060534 | | 5-poles terminal block | 5 |
| | COMBI IND 607 | 10060537 | | | | non | 5 |
| | COMBI IND 607/5 | 10060519 | | | | 5-poles terminal block | 5 |

Cable Glands

Cable Entries


Cable Protection

Junction Boxes

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Junction Box, COMBI® 1010    

Protection class IP66 / IP67 **Voltage** 690 V
Glow wire test 750 °C **Material** Polypropylene, Gasket TPE
Temperature range -30 °C – 100 °C **Dimensions** 140 x 140 x 82 mm
Installation temperature -5 °C – 60 °C **Rated cross section** 10,0 mm²
 IND = Version with flat cover

|  | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Terminal Type | PU |
|---|------------------|-------------|-------------|-------------|------------------------|----|
| | COMBI 1010 | 10060702 | 10062214 | 10062210 | non | 2 |
| | COMBI 1010/5 | 10060703 | 10062215 | 10062211 | 5-poles terminal block | 2 |
| | COMBI IND 1010 | 10060704 | | | non | 2 |
| | COMBI IND 1010/5 | 10060705 | | | 5-poles terminal block | 2 |


Junction Box, COMBI® 1210    

Protection class IP66 / IP67 **Voltage** 690 V
Glow wire test 750 °C **Material** Polypropylene, Gasket TPE
Temperature range -30 °C – 100 °C **Dimensions** 160 x 140 x 81 mm
Installation temperature -5 °C – 60 °C **Rated cross section** 10,0 mm²

|  | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Terminal Type | PU |
|--|--------------|-------------|-------------|-------------|------------------------|----|
| | COMBI 1210 | 10101459 | 10101460 | 10101461 | non | 2 |
| | COMBI 1210/5 | 10101462 | 10101463 | 10101464 | 5-poles terminal block | 2 |

Junction Box, COMBI® 1610  

Protection class IP66 / IP67 **Voltage** 690 V
Glow wire test 960 °C **Material** Polycarbonate, Gasket PU
Temperature range -30 °C – 100 °C **Dimensions** 200 x 160 x 94 mm
Installation temperature -5 °C – 60 °C **Rated cross section** 16,0 mm²
 DK = Version with clear lid
 PL = Plain version, completely closed sides

|  | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | Terminal Type | PU |
|---|--------------------|-------------|-------------|-------------|-----------------------|----|
| | COMBI 1610 | 10110735 | 10110739 | 10110743 | non | 1 |
| | COMBI 1610/3 | 10110736 | 10110740 | 10110744 | 3-pole screw terminal | 1 |
| | COMBI 1610/5 | 10111282 | | | 5-pole screw terminal | 1 |
| | COMBI 1610 DK | 10110737 | 10110741 | 10110745 | non | 1 |
| | COMBI 1610/3 DK | 10110738 | 10110742 | 10110746 | 3-pole screw terminal | 1 |
| | COMBI 1610 PL | 10111113 | 10111117 | 10111121 | non | 1 |
| | COMBI 1610/3 PL | 10111114 | 10111118 | 10111122 | 3-pole screw terminal | 1 |
| | COMBI 1610 PL DK | 10111115 | 10111119 | 10111123 | non | 1 |
| | COMBI 1610/3 PL DK | 10111116 | 10111120 | 10111124 | 3-pole screw terminal | 1 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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Junction Box, COMBI® 108



| | | | |
|---------------------------------|-----------------|----------------------------|---------------------------|
| Protection class | IP66 | Voltage | 400 V |
| Glow wire test | 750 °C | Material | Polypropylene, Gasket TPE |
| Temperature range | -30 °C – 100 °C | Dimensions | 76 x 76 x 51 mm |
| Installation temperature | -5 °C – 60 °C | Rated cross section | 2,5 mm ² |

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 7035 / LG RAL 3000 / RD | Terminal Type | PU |
|--|-------------------------|-------------|-------------|-------------|--------------------------------|---|----|
| | COMBI 108 | 10060522 | 10061999 | 10060622 | 10060632 | non | 10 |
| | COMBI 108/5 | 10060523 | 10061998 | 10060623 | | 5-poles terminal block | 10 |
| | COMBI 108/ 3-221-413 | 10111272 | 10111273 | 10111274 | | incl. 1 WAGO terminal holder and 3 WAGO terminals 221-413 | 10 |

Junction Box, COMBI® IP68 Set



| | | | |
|---------------------------------|-------------------|-------------------------|---------------------------|
| Protection class | IP68 (15 m 170 h) | Filling Material | Solicone |
| Glow wire test | 750 °C | | Polypropylene, Gasket TPE |
| Temperature range | -30 °C – 100 °C | | |
| Installation temperature | -5 °C – 60 °C | | |

| | Type | RAL 7035 LG | RAL 9005 BK | Terminal Type | PU |
|--|-----------------------|-------------|-------------|------------------------|----|
| | COMBI IP68 SET 308 | 10060457 | | non | 1 |
| | COMBI IP68 SET 308/5 | 10066634 | | 5-poles terminal block | 1 |
| | COMBI IP68 SET 407 | 10105681 | 10105683 | non | 1 |
| | COMBI IP68 SET 407/5 | 10105682 | 10105684 | 5-poles terminal block | 1 |
| | COMBI IP68 SET 607 | 10061185 | 10100838 | non | 1 |
| | COMBI IP68 SET 607/5 | 10066635 | | 5-poles terminal block | 1 |
| | COMBI IP68 SET 1010 | 10061488 | | non | 1 |
| | COMBI IP68 SET 1010/5 | 10066636 | | 5-poles terminal block | 1 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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Installation Box, KA 006



Protection class IP55
Temperature range -30 °C – 60 °C
Installation temperature -5 °C – 60 °C
Voltage 400 V
Material Polyethylene/Polypropylene
Dimensions 86 x 44 x 41 mm
 XxZER = incl. strain relief ring

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 3000 RD | RAL 6024 GN | Terminal Type | PU |
|--|------------------------|-------------|-------------|-------------|-------------|-------------|------------------------|----|
| | KA 006 | 10109426 | 10109578 | 10109580 | 10109582 | 10109584 | non | 10 |
| | KA 006/5 | 10109577 | 10109579 | 10109581 | 10109583 | 10109585 | 5-poles terminal block | 10 |
| | KA 006/3xZER | 10110195 | | | | | non | 10 |
| | KA 006/3x221-413/3xZER | 10110865 | | | | | non | 10 |

Installation Box, KA 012



Protection class IP55
Temperature range -30 °C – 60 °C
Installation temperature -5 °C – 60 °C
Voltage 400 V
Material Polyethylene/Polypropylene
Dimensions 86 x 86 x 41 mm
 XxZER = incl. strain relief ring

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 3000 RD | RAL 6024 GN | Terminal Type | PU |
|--|------------------------|-------------|-------------|-------------|-------------|-------------|---|----|
| | KA 012 | 10109427 | 10109587 | 10109589 | 10109591 | 10109593 | non | 10 |
| | KA 012/5 | 10109586 | 10109588 | 10109590 | 10109592 | 10109594 | 5-poles terminal block | 10 |
| | KA 012/3xZER | 10110196 | | | | | non | 10 |
| | KA 012/3x221-413/6xZER | 10110866 | | | | | incl. 1 WAGO terminal holder and 3 WAGO terminals 221-413 | 10 |

Installation Box, KA 016



Protection class IP55
Temperature range -30 °C – 60 °C
Installation temperature -5 °C – 60 °C
Voltage 400 V
Material Polyethylene/Polypropylene
Dimensions 125 x 86 x 41 mm
 XxZER = incl. strain relief ring

| | Type | RAL 7035 LG | RAL 9005 BK | RAL 9001 WH | RAL 3000 RD | RAL 6024 GN | Terminal Type | PU |
|--|---------------------------|-------------|-------------|-------------|-------------|-------------|--------------------------|----|
| | KA 016 | 10109428 | 10109596 | 10109598 | 10109600 | 10109602 | non | 10 |
| | KA 016/5 | 10109595 | 10109597 | 10109599 | 10109601 | 10109603 | 5-poles terminal block | 10 |
| | KA 016/5xZER | 10110197 | | | | | non | 10 |
| | KA 016/3x221-413/8xZER LG | 10110867 | | | | | 3 WAGO terminals 221-413 | 10 |

Cable Glands

Cable Entries

Cable Protection

Junction Boxes

T

The KA series made from BIO plastics: Same quality, new origin

To produce bioplastics, renewable raw materials are used that absorb CO₂ during their growth phase and bind it throughout their utilisation phase.

When our products made from bioplastics are utilised for energy at the end of their life cycle, only as much CO₂ is released as the plants of the raw material have previously absorbed.

The aim is a closed CO₂ circuit that conserves finite resources. The product carbon footprint of each product is also significantly reduced (<0).



Installation Box, KA 006 BIO



| | | | |
|--------------------------------|----------------|-------------------|---|
| Protection class | IP55 | Material | BIO plastics from renewable raw materials |
| Temperature range | -30 °C – 60 °C | Dimensions | 86 x 44 x 41 mm |
| Installationstemperatur | -5 °C – 60 °C | | |
| Voltage | 400 V | | |

| | | | | |
|--|-------------|--------------------|----------------------|-----------|
|  | Type | RAL 7035 LG | Terminal Type | PU |
| | KA 006 BIO | 10112781 | non | 10 |

Installation Box, KA 012 BIO



| | | | |
|--------------------------------|----------------|-------------------|---|
| Protection class | IP55 | Material | BIO plastics from renewable raw materials |
| Temperature range | -30 °C – 60 °C | Dimensions | 86 x 86 x 41 mm |
| Installationstemperatur | -5 °C – 60 °C | | |
| Voltage | 400 V | | |

| | | | | |
|---|-------------|--------------------|----------------------|-----------|
|  | Type | RAL 7035 LG | Terminal Type | PU |
| | KA 012 BIO | 10112782 | non | 10 |

Installation Box,, KA 016 BIO




| | | | |
|--------------------------------|----------------|-------------------|---|
| Protection class | IP55 | Material | BIO plastics from renewable raw materials |
| Temperature range | -30 °C – 60 °C | Dimensions | 125 x 86 x 41 mm |
| Installationstemperatur | -5 °C – 60 °C | | |
| Voltage | 400 V | | |

| | | | | |
|---|-------------|--------------------|----------------------|-----------|
|  | Type | RAL 7035 LG | Terminal Type | PU |
| | KA 016 BIO | 10112783 | non | 10 |

Installation Box, KonnektIT

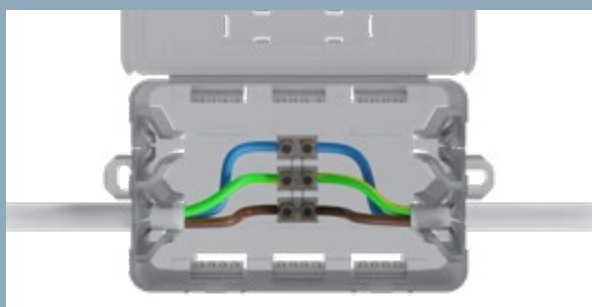
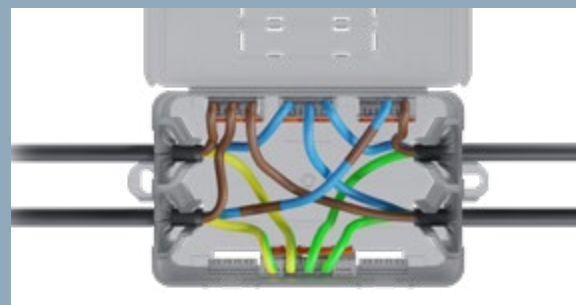


Protection class IP20
Temperature range -30 °C – 60 °C
Material Polyethylene

|  | Type | transparent CL | RAL 9001 WH | Terminal Type | PU |
|---|------------------------------|----------------|-------------|--------------------------------|----|
| | KonnektIT 204 WH | 10112332 | 10112332 | non | 10 |
| | KonnektIT 204 WH / 5x221-413 | 10112582 | 10112333 | incl. 5 WAGO terminals 221-413 | 10 |

KonnektIT

Easy installation due to built-in strain relief and external mounting. Can be equipped with WAGO terminal 221-413, or 211-2411 as well as a luster terminal. Perfect for indoor luminaire installation.



Cable Glands

Cable Entries

Cable Protection

Junction Boxes

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Junction Box, WHK 608



| | | | |
|---------------------------------|----------------|-------------------|--------------------------------------|
| Protection class | IP20 | Voltage | 400 V |
| Temperature range | -20 °C – 60 °C | Material | Polystyrene |
| Installation temperature | -5 °C – 60 °C | Dimensions | 108 x 98 x 57 mm 108 x 98 x 72 mm |

| | Type | RAL 7035 LG | PU |
|--|----------|-------------|----|
| | WHK 608A | 10105991 | 5 |
| | WHK 608S | 10105992 | 5 |

WHK Base/WHK Lid versions



| | | | |
|---------------------------------|----------------|-----------------|-------------|
| Protection class | IP20 | Voltage | 400 V |
| Temperature range | -20 °C – 60 °C | Material | Polystyrene |
| Installation temperature | -5 °C – 60 °C | | |

| | Type | RAL 7035 LG | Clamping cage | PU |
|--|----------|-------------|---------------|----|
| | WHK 608U | 10106020 | 5 mm – 13 mm | 5 |

| | Type | RAL 7035 LG | Built-in socket | PU |
|--|--------------------------|-------------|-----------------|----|
| | WHK 608SD-2x3p-Ad-v | 10106021 | 2x3p | 5 |
| | WHK 608SD-1x3p-Ad-v | 10106022 | 1x3p | 5 |
| | WHK 608SD-4x3p-Ad-v | 10106023 | 4x3p | 5 |
| | WHK 608SD-2x3p-4x4p-Ad-v | 10106024 | 2x3p/4x4p | 5 |
| | WHK 608SD-1x4p-Ad-v | 10106025 | 1x4p | 5 |
| | WHK 608SD-4x4p-Ad-v | 10106026 | 4x4p | 5 |
| | WHK 608SD-2x4p-Ad-v | 10106027 | 2x4p | 5 |
| | WHK 608SD-2x3p-1x4p-Ad-v | 10106028 | 2x3p/1x4p | 5 |
| | WHK 608SD-6x3p-Ad-v | 10106029 | 6x3p | 5 |
| | WHK 608SD-3x3p-Ad-v | 10106030 | 3x3p | 5 |
| | WHK 608SD-3x3p-1x4p-Ad-v | 10106031 | 3x3p/1x4p | 5 |
| | WHK 608SD-2x5p-Ad-v | 10106032 | 2x5p | 5 |
| | WHK 608SD-4x5p-Ad-v | 10106033 | 4x5p | 5 |

Junction Box, KRASS + KRASM



| | | | |
|--------------------------|-----------------------------------|---------------------|--------------|
| Temperature range | -20 °C – 60 °C -30 °C – 100 °C | Material | Plastic |
| | | Cable insert | 5 mm – 13 mm |

| | Type | RAL 7035 LG | RAL 9005 LG | RAL 9001 LG | PU |
|--|--------------|-------------|-------------|-------------|----|
| | KRASS 20/2,5 | 10105993 | | | 50 |
| | KRASM 20/7 | 10106052 | 10110808 | 10110809 | 50 |

Cable Glands

Cable Entries

Cable Protection


Junction Boxes

T

External mounting

Temperature range -30 °C – 100 °C
Material Polyamide


Suitable for COMBI 308, 407, 607, 1010, 1210 and 1610

|  | Type | RAL 7035 LG | PU |
|---|------------------------------|-------------|-----------|
| | External mounting – COMBI LG | 10108836 | 2x4 pices |

Mounting plates


Material Galvanized steel
Dimensions 160 x 76 x 9,4 mm / 241 x 181 x 9,7 mm

Small version suitable for COMBI 108 / 116 / 206 / 308 / 407 / WHK
Large version suitable for all COMBI / KA / WHK

|  | Type | Order No. | PU |
|---|---------------------------------------|-----------|----|
| | MP-S Mounting plate small | 10105774 | 1 |
| | MP-L Mounting plate large COMBI / WHK | 10105775 | 1 |

Mounting-Kit KA/COMBI®


Content 10 pieces ESD 30 RAL 7035, 10 pieces ESV RAL 7035
 10 pieces EDV RAL 7035, 10 pieces ZER RAL 7035
 1 pice external mounting COMBI RAL 7035

|  | Type | RAL 7035 LG | PU |
|---|-----------------------|-------------|----|
| | Mounting-Kit KA/COMBI | 10110239 | 1 |

Strain relief ring, ZER

Temperature range -30 °C – 100 °C

Material PC + ABS-Blend V0

|  | Type | RAL 7035 LG | Clamping cage | PU |
|---|--------------|-------------|---------------|----|
| | ZER 4-12 LG | 10109800 | 4 mm – 12 mm | 10 |
| | ZER 11-18 LG | 10110766 | 11 mm – 18 mm | 10 |

Mounting kit for KA

| | | | |
|--------------------------|----------------|---------------------|---|
| Temperature range | -20 °C – 85 °C | Suitable for | Euro plug locking (ESV) Euro twist locking (EDV) Euro plug-in dowels (ESD 30) |
| Material | Polyamide | | |

| | Type | RAL 7035 LG | PU |
|--|-----------|-------------|----|
| | ESD 30 LG | 10109875 | 50 |
| | ESV LG | 10109876 | 50 |
| | EDV LG | 10109877 | 50 |

Terminal blocks

| | | | |
|--------------------------|----------------|-----------------|-----------|
| Temperature range | -25 °C – 80 °C | Material | Polyamide |
| Glow wire test | 960 °C | | |

| | Type | Order No. | Suitable for | Terminals | PU |
|-------------|--------------------------------------|------------------------------------|--|---|----|
| | SP-HKT 11/5 Terminal block | 22001132 | COMBI 108, COMBI 308, COMBI 407 | 4 mm ² | 1 |
| | SP-HKT 607 Terminal block | 22000407 | COMBI 607, COMBI INDUSTRY 607 (max. 2 terminal blocks per box) | 6 mm ² | 1 |
| | SP-HKT 1010 Terminal block | 22000408 | COMBI 1010, COMBI INDUSTRY 1010, COMBI 1210 (max. 4 terminal blocks per box) | 10 mm ² | 1 |
| | SP-HKT 1610 Terminal block | 22001224 | COMBI 1610, COMBI MAR 1610 (max. 2 terminal blocks per box) | 16 mm ² | 1 |
| | SP-KT 11/5 Terminal block | 22000409 | KA 006, KA 012, KA 016 | 4mm ² | 1 |
| | SP-KT407 SDK5 screwless box terminal | 22000811 | COMBI 108, COMBI 304, COMBI 308, COMBI 407 | 0,5-2,5mm ² for solid wires 1,5-2,5mm ² for rigid stranded wires | 1 |
| | SP-KT-W 221/CSM-3x221-413 | 22001114 | COMBI 108, COMBI 304 COMBI 308, COMBI 407 | non | 1 |
| | SP-KT-W 221/CSM | 22001115 | COMBI 108, COMBI 304 COMBI 308, COMBI 407 | 3 x 0,14 ... 4 mm ² | 1 |
| SP-KT-W 221 | 22001116 | For mounting on DIN Rail Kit TS 15 | non | 1 | |


DIN Rail Kit

| | |
|-----------------|-------|
| Material | Steel |
|-----------------|-------|

| | Type | Order No. | PU |
|--|-----------------------------------|-----------|----|
| | DIN Rail Kit – COMBI 108/308/TS15 | 10060362 | 1 |
| | DIN Rail Kit – COMBI 407/TS15 | 10105604 | 1 |
| | DIN Rail Kit – COMBI 407/TS35 | 10105605 | 1 |
| | DIN Rail Kit – COMBI 607/TS15 | 10111678 | 1 |
| | DIN Rail Kit – COMBI 607/TS35 | 10060361 | 1 |
| | DIN Rail Kit – COMBI 1010/TS35 | 10060363 | 1 |
| | DIN Rail Kit – COMBI 1210/TS35 | 10101478 | 1 |
| | DIN Rail Kit – COMBI 1610/TS35 | 10112803 | 1 |

Earthing plates

Material Brass

|  | Type | Order No. | Suitable for | Dimensions | Content | PU |
|---|----------------------------|-----------|--------------|---------------------------------------|--|----|
| | EC 308 | 10101473 | COMBI 308 | 55 x 28 x 5 mm | 2 earthing plate for 2 glands | 1 |
| | EC 607 | 10101474 | COMBI 607 | 33 x 33 x 5 mm | 2 earthing plates for 1 gland | 1 |
| | EC 1010/3 | 10104903 | COMBI 1010 | 100 x 38 x 0,8 mm | 1 earthing plates for 3 glands | 1 |
| | EC 1210 | 10101476 | COMBI 1012 | 74 x 34 x 0,8 mm 114 x 34 x 0,8 mm | 1 earthing plate for 2 glands 1 earthing plate for 3 glands | 1 |
| | Earthing-KIT 407/1EC2+1EC1 | 10105647 | COMBI 407 | See details for individual versions | 1 earthing plate for 2 glands 1 earthing plate for 1 gland + mounting kit | 1 |
| | Earthing-KIT 407/2EC2+1EC1 | 10105606 | 10105606 | See details for individual versions | 2 earthing plate for 2 glands 1 earthing plate for 1 gland + mounting kit | 1 |


Earthing spring

Glow wire test

650°C

Material

Stainless steel

|  | Type | Order No. | Dimensions | PU |
|---|------------|-----------|------------|----|
| | E-SPRING20 | 10112329 | M 20 x 1,5 | 5 |
| | E-SPRING25 | 10112330 | M 25 x 1,5 | 5 |
| | E-SPRING32 | 10112331 | M 32 x 1,5 | 5 |


Cable Joint, 788/6/SKV 21

Protection class IP68 (5 bar 30 min) **Material** Polystyrole, flame-retardant, clamping unit polyamide

|  | Type | RAL 7035 LG | Terminal Type | PU |
|---|--------------|-------------|--|----|
| | 788/6/SKV 21 | 10061436 | 5-pole, 6,0 mm ² screw type | 10 |

Cable Joint, 788/ESKV

Protection class IP68 (5 bar 30 min) **Material** Polyamide

|  | Type | RAL 7035 LG | RAL 9005 BK | Terminal Type | PU |
|---|----------------------|-------------|-------------|---------------------------------------|----|
| | 788/ESKV 25 | 10112267 | 10112268 | 5-pole, 2,5mm ² screw type | 15 |
| | 788/ESKV 25/221-2411 | 10112269 | 10112270 | 3 WAGO terminals 221-2411 | 15 |

Cable Joint 788/ESKV

The new 788/ESKV is an updated version of the original PG version. It offers installation options in the smallest of spaces and enables two identical cables to be connected without any problems. With a high protection class, it is also a tough connection for use in demanding conditions.



Cable Glands

Cable Entries

Cable Protection

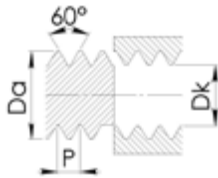
Junction Boxes






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Technical data

Dimensions of thread and drilled holes

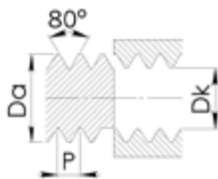
Metric thread ISO 965 (DIN 13)



|  |  |  |  |  |
|---|---|--|---|---|
| M6x0,75 ¹⁾ | 6,00 | 0,75 | 5,10 | 6,0 - 6,2 |
| M6x1 | 6,00 | 1,00 | 4,90 | 6,0 - 6,2 |
| M8x1 ¹⁾ | 8,00 | 1,00 | 6,90 | 8,0 - 8,2 |
| M8x1,25 | 8,00 | 1,25 | 6,60 | 8,0 - 8,2 |
| M10x1 ¹⁾ | 10,00 | 1,00 | 8,90 | 10,0 - 10,2 |
| M12x1,5 ¹⁾ | 12,00 | 1,50 | 10,30 | 12,0 - 12,2 |
| M16x1,5 ¹⁾²⁾ | 16,00 | 1,50 | 14,30 | 16,0 - 16,2 |
| M18x1,5 ²⁾ | 18,00 | 1,50 | 16,30 | 18,0 - 18,2 |
| M20x1,5 ¹⁾ | 20,00 | 1,50 | 18,30 | 20,0 - 20,2 |
| M24x1,5 ²⁾ | 24,00 | 1,50 | 22,30 | 24,0 - 24,2 |
| M25x1,5 ¹⁾ | 25,00 | 1,50 | 23,30 | 25,0 - 25,2 |
| M30x2 ²⁾ | 30,00 | 2,00 | 27,80 | 30,0 - 30,3 |
| M32x1,5 ¹⁾ | 32,00 | 1,50 | 30,30 | 32,0 - 32,3 |
| M36x2 ²⁾ | 36,00 | 2,00 | 33,80 | 36,0 - 36,3 |
| M40x1,5 ¹⁾ | 40,00 | 1,50 | 38,30 | 40,0 - 40,3 |
| M45x2 ²⁾ | 45,00 | 2,00 | 42,80 | 45,0 - 45,3 |
| M50x1,5 ¹⁾ | 50,00 | 1,50 | 48,30 | 50,0 - 50,3 |
| M56x2 ²⁾ | 56,00 | 2,00 | 53,80 | 56,0 - 56,3 |
| M63x1,5 ¹⁾ | 63,00 | 1,50 | 61,30 | 63,0 - 63,3 |
| M72x2 ²⁾ | 72,00 | 2,00 | 69,80 | 72,0 - 72,3 |
| M75x1,5 ¹⁾ | 75,00 | 1,50 | 73,30 | 75,0 - 75,3 |
| M80x2 | 80,00 | 2,00 | 77,80 | 80,0 - 80,4 |
| M105x2 | 105,00 | 2,00 | 102,80 | 105,1 - 105,5 |

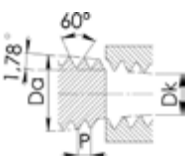
1) metric thread acc. to EN 60423 2) metric thread acc. to DIN 89280






Steel conduit thread DIN 40430



|  |  |  |  |  |
|---|---|--|---|---|
| Pg 7 | 12,50 | 1,270 | 11,20 | 12,6 - 12,8 |
| Pg 9 | 15,20 | 1,410 | 13,80 | 15,3 - 15,5 |
| Pg11 | 18,60 | 1,410 | 17,20 | 18,7 - 18,9 |
| Pg13,5 | 20,40 | 1,410 | 19,00 | 20,5 - 20,7 |
| Pg16 | 22,50 | 1,410 | 21,10 | 22,6 - 22,8 |
| Pg21 | 28,30 | 1,588 | 26,70 | 28,4 - 28,6 |
| Pg29 | 37,00 | 1,588 | 35,40 | 37,1 - 37,4 |
| Pg36 | 47,00 | 1,588 | 45,40 | 47,1 - 47,4 |
| Pg42 | 54,00 | 1,588 | 42,40 | 54,1 - 54,5 |
| Pg48 | 59,30 | 1,588 | 57,70 | 59,4 - 59,7 |

National standard pipe thread ANSI / ASME B1.20.1






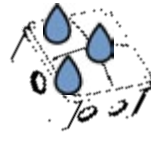
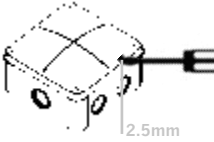

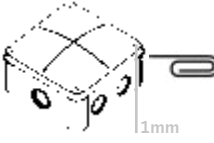






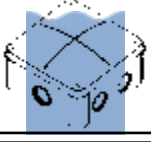
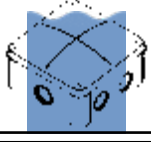


|  |  |  |  |  |
|---|---|--|---|---|
| NPT1/4 | 13,716 | 1,411 | 11,10 | .. |
| NPT3/8 | 17,145 | 1,411 | 14,50 | .. |
| NPT1/2 | 21,336 | 1,814 | 17,90 | .. |
| NPT3/4 | 26,670 | 1,814 | 23,20 | .. |
| NPT1 | 33,401 | 2,209 | 29,20 | .. |
| NPT1 1/4 | 42,164 | 2,209 | 37,90 | .. |
| NPT1 1/2 | 48,260 | 2,209 | 43,90 | .. |
| NPT2 | 60,325 | 2,209 | 55,90 | .. |

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Ingress Protection

IP 68

Example

| Solids | | Water | |
|---|---|-------|--|
| 1 |  | 1 |  |
| 2 |  | 2 |  |
| 3 |  | 3 |  |
| 4 |  | 4 |  |
| 5 |  | 5 |  |
| 6 |  | 6 |  |
|  | Protection level not formally tested. | 7 |  |
| <p>A digit of "0" for either solid or liquids indicates no protection.</p> | | 8 |  |
| | | 9 |  |
| | | X |  |

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Impact resistance

Degrees of protection acc. to EN 62262 / VDE 0470 P.100

Standard EN 62262 / VDE 0470 P.100 "Degrees of protection against external mechanical loading provided by enclosures for electrical apparatus (equipment) - IK-Code" describes a way of classifying the degrees of protection which enclosures of electrical apparatus afford against external mechanical or stress, called IK-Code system.

These IK-Codes are used as follows to categorise stress energy:

| IK-Code | IK00 | IK01 | IK02 | IK03 | IK04 | IK05 | IK06 | IK07 | IK08 | IK09 | IK10 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Stress energy in Joule | *) | 0,15 | 0,2 | 0,35 | 0,5 | 0,7 | 1 | 2 | 5 | 10 | 20 |

*) not protected in conformity with the present Standard

EN 62444 – what does it mean?

1. Field of application of EN 62444: This standard contains requirements and tests for the design and manufacture of metric Cable glands. The standard covers complete Cable glands from (,...) but not parts of Cable glands.
2. The internal threads of Cable glands must be designed as specified in Table 1 of EN 60423. These thread sizes are as follows: M 6x0.75; M 8x1; M 10x1; M 12x1.5; M 16x1.5; M 20x1.5; M 25x1.5; M 32x1.5; M 40x1.5; M 50x1.5; M 63x1.5 and M 75x1.5.
3. Mounting holes must be in the sizes specified in Table 1

Table 1: Mounting holes for Cable glands

| Size | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 75 |
|-----------------------------------|------|------|------|------|------|------|------|------|------|
| Thread size | M 12 | M 16 | M 20 | M 25 | M 32 | M 40 | M 50 | M 63 | M 75 |
| Diameter of mounting hole +0,2 mm | 12,0 | 16,0 | 20,0 | 25,0 | 32,0 | 40,0 | 50,0 | 63,0 | 75,0 |

4. Cable glands must provide restraining capacity for Cables and leads over the entire sealing region. Cable glands with strain relief for Cables and leads must relieve the conductors of stress, including torsion. The standard's tests are in each case conducted on the smallest and largest specified size of the sealing or strainrelief region, at the associated forces and torques specified in Table 2. These tests are conducted with test mandrels simulating the outer diameter of Cables and leads. The test mandrels comprise metal rods having an elastomer sheath.

Table 2: Tensile forces for restraining capacity and strain relief, torques for torsion test

| Cable and lead diameter [mm] | Restraining capacity [N] | Strain relief Type A [N] | Strain relief Type B [N] | Torque Types A & B [Nm] |
|------------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| up to 4 | 5 | - | - | - |
| > 4 to 8 | 10 | 30 | 75 | 0,10 |
| > 8 to 11 | 15 | 42 | 120 | 0,15 |
| >11 to 16 | 20 | 55 | 130 | 0,35 |
| >16 to 23 | 25 | 70 | 140 | 0,60 |
| >23 to 31 | 30 | 80 | 250 | 0,80 |
| >31 to 43 | 45 | 90 | 350 | 0,90 |
| >43 to 55 | 55 | 100 | 400 | 1,00 |
| >55 | 70 | 115 | 450 | 1,20 |

5. Cable glands must be resistant to impact. A test mandrel corresponding to the smallest size of the sealing region is fixed in the unit under test, and the test is then conducted at the lowest temperature, applying the degree of energy specified for the respective category in Table 3.

Table 3: Impact values

| Category | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------|-----|------|-----|-----|-----|-----|------|------|
| Force [N] | 2 | 2 | 2 | 2 | 10 | 10 | 10 | 20 |
| Weight [kg] | 0,2 | 0,2 | 0,2 | 0,2 | 1,0 | 1,0 | 1,0 | 2,0 |
| Energy [J] | 0,2 | 0,5 | 1,0 | 2,0 | 4,0 | 7,0 | 10,0 | 20,0 |
| Height [m] | 0,1 | 0,25 | 0,5 | 1,0 | 0,4 | 0,7 | 1,0 | 1,0 |

All of these figures, tables and values are extracted from DIN EN 62444. This standard obviously describes other tests as well (electrical properties, IP code, etc.), required for the classification and identification of Cable glands. However, it would be beyond the scope of the present catalogue to itemise all of them. Please contact us if you have any queries.

Classification acc. EN / IEC 62444

"The manufacturer ... (of Cable glands) shall provide ... all information necessary for the proper use and safe installation, ..." EN / IEC 62444, Paragraph 7.3

The table contains the informations for the Cable gland SPRINT® system. The informations are tested and certified from the VDE Testing and Certification Institute – See Certificate No. 40006479

The values in the following table are valid for Types ESKV(S)(-L) **, EMSKV(S)(-L) ** (EMV-Z/S), ESSKV(S)(-L) ** (EMV-Z/S) and ESSKV(S)(-L)-4 ** (EMV-Z/S)

| | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 75 |
|-------------------------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Clamping range = sealing range [mm] | 3 · 7 | 4,5 · 10 | 6 · 13 | 9 · 17 | 13 · 21 | 16 · 28 | 21 · 35 | 34 · 48 | 48 · 62 |
| Type of Cable anchorage | A | A | A | A | A | A | A | A | A |
| Installation torques - fitting [Nm] | 4 ¹ | 4 ¹ | 8 ¹ | 10 ¹ | 20 ¹ | 20 ¹ | 30 ¹ | 40 ¹ | 40 ¹ |
| Installation torques - cap nut [Nm] | 4 ¹ | 4 ¹ | 8 ¹ | 10 ¹ | 20 ¹ | 20 ¹ | 30 ¹ | 40 ¹ | 40 ¹ |
| Impact category | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ | 6 ¹ |

1 These values are for the cable glands made of brass and stainless steel.

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The conduits of our Brace® system are tested and evaluated according to DIN EN 61386-1/23

Depending on the result, the products are classified in different classifications.

| | BCA-S | BCAV-S | BCAV-H | BCAB-L | BCI-S | BCI-H-W | BCIV-S | BCIB-S | BCIB-H |
|--------------------------------------|-------|--------|--------|--------|-------|---------|--------|--------|--------|
| Compression strength | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 |
| Impact strength | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 |
| Reverse bending stress | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Electrical characteristic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solid tightness test | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Liquid tightness test | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Resistance against corrosion | - | - | - | - | - | - | - | - | - |
| Pull-out resistance | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| Resistance against flame propagation | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Suspended load capacity | 2 | 2 | 1 | 1 | - | - | - | - | - |

The mechanical tests include the test for the compression strength, in which the corrugated conduit is pressed with a pressure head. After a predefined time, the test is finished and the conduit must not show any damage. The following table shows the classification:

| Category | 1 | 2 | 3 | 4 | 5 |
|--------------------|-----|-----|-----|------|-----|
| Pressure force [N] | 125 | 320 | 750 | 1250 | 400 |

In the impact test, the conduits have to be stored at a specified temperature for 2h. After this time, a drop weight falls on the conduit from a prescribed height.

| Category | 1 | 2 | 3 | 4 | 5 |
|-------------|-----|-----|-----|-----|-----|
| Weight [kg] | 0,5 | 1 | 2 | 2 | 6,8 |
| Height [mm] | 100 | 100 | 100 | 300 | 300 |

During the reverse bend test, the corrugated conduit must be moved back and forth 90° (180° in sum) 40 times per minute and a total of 5000 times. This test is carried out at the lowest application temperature of the corrugated conduit.

| Category | 1 | 2 | 3 | 4 |
|-----------------------|-------|---------|---------------------------|----------|
| Resistance to bending | rigid | pliable | pliable / self-recovering | flexible |

The electrical characteristics do not need to be explained.

| Category | 0 | 1 | 2 | 3 |
|----------------------------|---------------|---------------------------------------|---------------------------------------|--|
| Electrical characteristics | Not explained | With electrical conduction properties | With electrical insulation properties | With electrical conduction and insulation properties |

The leak tests for solids and liquids are the same as for the Cable glands (see IP overview). The classification number corresponds to the degree of protection number.

For plastic product no classification against corrosion has to be indicated.

Another mechanical test is the pull-out test. There are the following classifications:

| Category | 1 | 2 | 3 | 4 | 5 |
|--------------------|-----|-----|-----|-------|-------|
| Pull Out Force [N] | 100 | 250 | 500 | 1.000 | 2.500 |

The resistance to flame spread must be specified. Here the corrugated conduits are flamed with a 1kW flame.

| Category | 1 | 2 |
|--------------------------------------|---------------------|-----------------|
| Resistance against flame propagation | non flame spreading | flame spreading |

The specification of the suspended load is voluntary. This checks whether the corrugated conduit is pulled out of the fitting within 24 hours by an attached weight at the maximum application temperature.

| Category | 1 | 2 | 3 | 4 | 5 |
|-------------|-----|---|---|---|---|
| Weight [kg] | 0,5 | 1 | 2 | 4 | 8 |

Enclosure Guide

The following chart is a general COMBI® guide.

| Model | Dimensions (mm) | IP Rating | Number of Entries | Entry Size | Volume of Gel Required (ml) |
|------------|-----------------|-----------|-------------------|-----------------|-----------------------------|
| COMBI 108 | 76 x 76 x 51 | IP66 | 10* | M20 | 200ml |
| COMBI 206 | 85 x 49 x 51 | IP66/67 | 6* | M20 | 100ml |
| COMBI 304 | ø 82 x 57 | IP66/67 | 4** | M20 | 180ml |
| COMBI 308 | 85 x 85 x 51 | IP66/67 | 8** | M20 | 200ml |
| COMBI 407 | 95 x 95 x 60 | IP66/67 | 7*** | M20/M25 | 320ml |
| COMBI 607 | 110 x 110 x 66 | IP66/67 | 7** | M25 | 510ml |
| COMBI 1010 | 140 x 140 x 82 | IP66/67 | 10**** | M20/M25/M32 | 1 Ltr 10ml |
| COMBI 1210 | 160 x 140 x 81 | IP66/67 | 10*** | M20/M25 | 1 Ltr 250ml |
| COMBI 1610 | 200 x 160 x 94 | IP66/67 | 10**** | M20/M25/M32/M40 | 2 Ltr 426ml |

*Membrane entries / **threaded membrane entries / *** threaded membrane & knockouts / **** knockouts. Please see website for full specification and data.

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