

Cable glands KDSW M20 BS O NI 2 G16

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The KDSW features a special ring in the shape of a truncated cone. The ring enables connections between cable and lines with single-wire armoring and lead-sheath armoring. This ensures a conductive connection between the cable and the cable gland. In addition, the KDSW comes with two seals which provide sealing for the outer and inner parts of the cable insulation. The cable armoring is located between the inner and outer insulation. When the cable gland is ordered together with a neoprene seal, the seal allows temperatures from -20°C to +85°C. When using a silicone seal, a temperature range of -60°C to +180°C is possible. When both sealing materials are used, it is possible to achieve IP66 or IP67 protection. The KDSW is permitted for use with pressure-resistant Ex d encapsulations and increased safety Ex e.

General ordering data

| | |
|------------|---|
| Type | KDSW M20 BS O NI 2 G16 |
| Order No. | 1136420000 |
| Version | cable glands, Brass, nickel-plated, External thread: M 20 |
| GTIN (EAN) | 4032248921942 |
| Qty. | 20 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|-------|------------|-------|
| Length | 58 mm | Net weight | 144 g |
|--------|-------|------------|-------|

Approvals

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|--------------------------|---|
| Approval for cable gland | ATEX II 2 GD, Ex d IIC / Ex e II / Ex tD A21 IP68, IECEX Ex d IIC / Ex e II |
|--------------------------|---|

General information

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|-----------------------------------|-----------------------------|-----------------------------------|------------------------|
| AF size 1 | 24 mm | Armour, min. | 0.9 mm |
| Cable gland | metric, nickel-plated brass | External thread | M 20 |
| Inner cable diameter, max. | 8.4 mm | Inner cable diameter, min. | 4 mm |
| Installation guidelines | See assembly instructions | Length of thread | 16 mm |
| Material | Brass, nickel-plated | O-Ring | Silicone |
| Operating temperature range, max. | 180 °C | Operating temperature range, min. | -60 °C |
| Outer cable diameter, max. | 13.5 mm | Outer cable diameter, min. | 8.4 mm |
| Pitch of thread | 1.5 | Protection degree with GWDR | IP 66, IP 68 - 2.5 bar |
| Seal insert | Silicone | Sealing | Silicone |
| Size of protective cap | L24 | Type of armouring | Single-wire armouring |
| Water depth | 25 m (30 Min.) | | |

Classifications

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|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000441 | eClass 6.2 | 27-14-91-11 |
| eClass 7.1 | 27-14-91-11 | | |

Test certificates

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|------------------------|-----------------|-------------------------|------------------|
| Certificate No. (ATEX) | SIRA05ATEX1286X | Certificate No. (IECEX) | IECEXSIR05.0067X |
|------------------------|-----------------|-------------------------|------------------|

Product information

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|---------------------------------|--|
| Descriptive text ordering data | <p><0x2022> <0x0007>All cable glands have a thread pitch of 1.5 mm.</p> <p><0x2022> <0x0007>In the case of Ex d applications, the inner threads used for cable glands must meet the requirements of section 5.3 of EN/IEC 60079-1. In the screwed in position, at least 5 threads must be engaged.</p> <p><0x2022> <0x0007>If the cable glands are installed in non-metallic Ex e connection equipment, these must be connected to the protective earth of the system.</p> <p><0x2022> <0x0007>The connection cable must be laid securely and inflexibly to rule out tensile stress.</p> |
| Descriptive text technical data | IP protection without GWDR is IP 54. To achieve IP 66/68 protection, a nylon GWDR must be ordered separately. |

Approvals

Approvals

GOSTEX IEC EX ATEX

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| ROHS | Conform |
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Downloads

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| PDF | Notice to Installers |
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Erstellungs-Datum December 17, 2013 10:34:51 AM CET

Katalogstand xx.xx.xxxx / Technische Änderungen vorbehalten