

KDSU M20 BN O NI 1 G20

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Similar to illustration



The KDSU features a special ring in the shape of a truncated cone. The ring enables connections between single-wire-armoured and metal-foil-armoured cables and braided-armoured lines. This ensures a conductive connection between the cable and the cable gland. It is also possible to connect non-armoured cables and lines. In addition, the KDSU comes with two separate seals which provide sealing for the outer and inner parts of the cable insulation. The cable armouring is located between the inner and outer insulation. When the cable gland is ordered together with a neoprene seal, the seal allows temperatures from -35°C to $+90^{\circ}\text{C}$. When using a silicone seal, a temperature range of -60°C to $+180^{\circ}\text{C}$ is possible. The O-ring and the cable gland included in the delivery are made from the same material. When using both sealing materials, IP66 or IP68 protection at a depth of 25 metres under water (a pressure of 2.5 bar) is guaranteed. The KDSU is permitted for use with pressure-resistant Ex d encapsulations and increased safety Ex e. Besides the mechanical protective function offered for cables and lines, this can also be used for EMC applications.

General ordering data

| | |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version | KDSU (Klippon double seal universal Ex cable gland). Cable glands, straight, M 20, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 1.25 mm, OD min. 12 - OD max. 17.6 mm, ID min. 9.40 - ID max. 14.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated |
| Order No. | 1083320000 |
| Type | KDSU M20 BN O NI 1 G20 |
| GTIN (EAN) | 4032248847501 |
| Qty. | 20 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Length | 78 mm | Length (inches) | 3.071 inch |
| Net weight | 250 g | | |

Temperatures

| | |
|-----------------------|----------------|
| Operating temperature | -35 °C...90 °C |
|-----------------------|----------------|

Environmental Product Compliance

| | | | |
|------------|----------------|------|------------------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 3394d55b-7892-488f-8603- ea218c1d0691 |
|------------|----------------|------|------------------------------------------|

Certificate numbers cable gland

| | | | |
|-------------------------------------|--------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Approval conditions | ATEX, IECEx, EAC | Certificate No. (ATEX) | SIRA05ATEX1285X |
| Certificate No. (IECEx) | IECExSIR05.0067X | Certificate no. cable gland (EAC) | RU C-DE.HA65.B.00568 20 |
| Certificate no. cable gland (IECEx) | IECEx CML 19.0109X | Identification | ATEX: II 2G, Ex db IIC Gb, Ex eb IIC Gb, II 1D, Ex ta IIIC Da, IECEx: Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da |

General information

| | | | |
|-----------------------------------|----------------------------------------------------------------------|-----------------------------------|-----------------------------|
| AF size 1 | 30 mm | Armour, max. | 1.25 mm |
| Armour, min. | 0.1 mm | Cable glands | metric, nickel-plated brass |
| External thread | M 20 | Halogen | Yes |
| Inner cable diameter, max. | 14 mm | Inner cable diameter, min. | 9.4 mm |
| Installation guidelines | See assembly instructions | Length of thread | 16 mm |
| Material | Brass, nickel-plated | O-Ring | NBR |
| Operating temperature range, max. | 90 °C | Operating temperature range, min. | -35 °C |
| Outer cable diameter, max. | 17,6 mm | Outer cable diameter, min. | 12 mm |
| Pitch of thread | 1.5 mm | Protection degree | IP66, IP68 - 2.5 bar |
| Protection degree with GWDR | IP66, IP68 - 2.5 bar | Seal insert | CR |
| Sealing | CR | Size of protective cap | EL30 |
| Type of armouring | Single-wire armouring, Metal foil armouring, Braided armouring | Type of armouring, short term | SWA, STA, SWB |
| Water depth | 25 m (30 Min.) | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000441 | ETIM 7.0 | EC000441 |
| ETIM 8.0 | EC000441 | ECLASS 9.0 | 27-14-44-32 |
| ECLASS 9.1 | 27-14-44-34 | ECLASS 10.0 | 27-14-44-32 |
| ECLASS 11.0 | 27-14-44-32 | ECLASS 12.0 | 27-14-08-04 |

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Technical data

Approvals

Approvals



| | |
|-----------|------------------|
| Approvals | EAC; ATEX; IECEX |
| ROHS | Conform |

Downloads

| | |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | SIRA05ATEX1285X IECEXSIR05.0067X RU C-DE,HA65,B.00568 20 EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS03 |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD |
| User Documentation | Notice to Installers Assembly guidelines |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE MB PROCESS EN PI KLIPPON CABLE GL EN PI KLIPPON CABLE GL EN |