

KDSU (Klippon double seal universal Ex cable gland) KDSU M75 BS O NI 1 G75S

Weidmüller Interface GmbH & Co. KG
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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 -20°C to +85°C. When using a silicone seal, a temperature range of -60°C to +180°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

| | |
|------------|--|
| Type | KDSU M75 BS O NI 1 G75S |
| Order No. | 1137060000 |
| Version | KDSU (Klippon double seal universal Ex cable gland), Cable glands, M 75, 19 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 2.5 mm, OD min. 60.2 - OD max. 68 mm, ID min. 52.10 - ID max. 62.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated |
| GTIN (EAN) | 4032248969616 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Length | 131 mm | Length (inches) | 5.157 inch |
| Net weight | 2,800 g | | |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

General information

| | | | |
|-----------------------------------|--|-----------------------------------|-----------------------------|
| Material | Brass, nickel-plated | Cable glands | metric, nickel-plated brass |
| External thread | M 75 | Pitch of thread | 1.5 mm |
| Length of thread | 19 mm | AF size 1 | 90 mm |
| Protection degree | IP66, IP68 - 2.5 bar | Protection degree with GWDR | IP66, IP68 - 2.5 bar |
| Water depth | 25 m (30 Min.) | Operating temperature range, min. | -60 °C |
| Operating temperature range, max. | 180 °C | Outer cable diameter, min. | 60.2 mm |
| Outer cable diameter, max. | 68 mm | Inner cable diameter, min. | 52.1 mm |
| Inner cable diameter, max. | 62 mm | Type of armouring, short term | SWA, STA, SWB |
| Type of armouring | Single-wire armouring, Metal foil armouring, Braided armouring | Armour, min. | 0.1 mm |
| Armour, max. | 2.5 mm | Size of protective cap | EL90 |
| O-Ring | Silicone | Seal insert | Silicone |
| Sealing | NBR | Installation guidelines | See assembly instructions |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000441 | ETIM 7.0 | EC000441 |
| eClass 9.0 | 27-14-44-32 | eClass 9.1 | 27-14-44-34 |
| eClass 10.0 | 27-14-44-32 | | |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS01 |
| Brochure/Catalogue | MB OVERV. PROCESS WD DE MB PROCESS EN CAT 5 ENCL 17/18 EN PI KLIPPON CABLE GL EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| User Documentation | Notice to Installers Assembly guidelines |

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Accessories

Protective caps - PVC



The KSPs are protective caps made from PVC. They protect disconnected cable glands from external environmental influences (e.g., dust) when delivered in a pre-assembled enclosure.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KSP EL90 | Version |
| Order No. | 1076790000 | KSP (Klippon shroud), Protective cap, PVC |
| GTIN (EAN) | 4032248838608 | |
| Qty. | 10 pc(s). | |

Klippon® KSWF vulcanised fibre



The KSWF is a flat seal made from fibre material suitable for optional large-surface sealing of cable glands on enclosures or electrical cabinets.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KSWF M75 | Version |
| Order No. | 1076740000 | KSWF (flat gasket - vulcanised fibre), Sealing ring, M 75, Vulcanized |
| GTIN (EAN) | 4032248838660 | fibre |
| Qty. | 25 pc(s). | |

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Accessories

Brass nuts, standard, nickel-plated



Weidmüller has a variety of different cable and wire entry systems in the Portfolio: with different designs of plastic, brass and stainless steel cable glands in the IP66, 67, 68 or IP69k protection classes. As a complete alternative to cable glands, pre-assembled cables with modular multi-wire or multi-cable entry systems can be simply and quickly inserted into electrical equipment. Last but not least, Weidmüller offers EX-certified cable glands and cable/wire entry systems.

- Cable glands made from plastic and brass
- EMC screwed joints
- for areas at risk of explosion
- VDE, CSA and UL approvals

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SKMU M75 MS | Version |
| Order No. | 1737060000 | SKMU MS (brass locknut), Locknut, M 75, 8 mm, Brass, nickel-plated |
| GTIN (EAN) | 4008190956530 | |
| Qty. | 5 pc(s). | |

Klippon® KSWN Nylon



The KSWN is a flat seal made from nylon suitable for optional large-surface sealing of cable glands on enclosures or electrical cabinets.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KSWN M75 | Version |
| Order No. | 1076670000 | KSWN (flat gasket - nylon), Sealing ring, M 75, Nylon 6 |
| GTIN (EAN) | 4032248838714 | |
| Qty. | 25 pc(s). | |

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Accessories**Nickel-plated earthing ring**

The range of cable glands is rounded off by a large number of accessories.

Earthing rings are best used when a cable shielding is being tightened onto the cable gland, and when it has the same potential as another cable gland on the housing.

General ordering data

| Type | EA-RING MS/M 75 | Version |
|------------|----------------------------|--|
| Order No. | 1736550000 | EA (earthing rings), Earthing ring, M 75, Brass, nickel-plated |
| GTIN (EAN) | 4008190963668 | |
| Qty. | 10 pc(s). | |