

KDSX (Klippon double sealing SWB/STA Ex cable gland)
KDSX M40 BS O SC 2 G40

Weidmüller Interface GmbH & Co. KG
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The KDSX features a special ring in the shape of a truncated cone. The braided armouring on the ring makes a connection between the cables and lines possible. The armour ensures a conductive connection between the cable and the cable gland. In addition, the KDSX comes with two 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. The cable gland is equipped with a silicone seal for temperatures ranging from -60°C to +180°C. This sealing material allows you to achieve IP66 or IP67 protection. The KDSX is permitted for use with pressure-resistant Ex d encapsulations and increased safety Ex e.

General ordering data

| | |
|------------|---|
| Type | KDSX M40 BS O SC 2 G40 |
| Order No. | 1135770000 |
| Version | KDSX (Klippon double sealing SWB/STA Ex cable gland), Cable glands, M 40, 16 mm, Braided armouring, 0.2 - 0.6 mm, OD min. 33 - OD max. 40.6 mm, ID min. 25.00 - ID max. 32.20 mm, IP66, IP68 - 2.5 bar, Brass |
| GTIN (EAN) | 4032248968374 |
| Qty. | 10 pc(s). |

Creation date May 2, 2020 12:16:20 AM CEST

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Length | 72 mm | Length (inches) | 2.835 inch |
| Net weight | 672 g | | |

Environmental Product Compliance

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

General information

| | | | |
|-----------------------------------|---------------------------------------|-----------------------------------|---|
| Material | Brass | Cable glands | metric, brass |
| External thread | M 40 | Pitch of thread | 1.5 mm |
| Length of thread | 16 mm | AF size 1 | 55 mm |
| Protection degree | IP54 | 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. | 33 mm |
| Outer cable diameter, max. | 40.6 mm | Inner cable diameter, min. | 25 mm |
| Inner cable diameter, max. | 32.2 mm | Type of armouring, short term | SWB |
| Type of armouring | Braided armouring | Armour, min. | 0.2 mm |
| Armour, max. | 0.6 mm | Size of protective cap | L55 |
| O-Ring | Silicone | Seal insert | Silicone |
| Sealing | | Explosion protection type | Improved safety Ex e, Pressure-resistant Ex d encapsulation |
| Installation guidelines | Silicone 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 KDSX cable Gland - DoC DE PS2680 160315 003ISS01 |
| 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.

Data sheet

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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 L55 | Version |
| Order No. | 1736610000 | KSP (Klippon shroud), Protective cap, PVC |
| GTIN (EAN) | 4008190956271 | |
| Qty. | 10 pc(s). | |

Protective caps - silicone



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 L55 S | Version |
| Order No. | 0930700005 | KSP (Klippon shroud), Protective cap, Silicone |
| GTIN (EAN) | 4032248976003 | |
| Qty. | 10 pc(s). | |

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Accessories

Earthing rings, natural



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/M40 SC | Version |
|------------|----------------------------|---|
| Order No. | 0930710005 | EA (earthing rings), Earthing ring, M 40, Brass |
| GTIN (EAN) | 4032248976201 | |
| Qty. | 10 pc(s). | |

Brass nuts, standard, natural



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 M40 MS SC | Version |
|------------|----------------------------|---|
| Order No. | 0930640005 | SKMU MS (brass locknut), Locknut, M 40, 4.5 mm, Brass |
| GTIN (EAN) | 4032248976096 | |
| Qty. | 10 pc(s). | |

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Accessories

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 M40 | Version |
| Order No. | 0899780000 | KSWN (flat gasket - nylon), Sealing ring, M 40, Nylon 6 |
| GTIN (EAN) | 4032248850150 | |
| Qty. | 25 pc(s). | |

Safety serrated washer



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

The serrated stainless steel washers are used to prevent loosening of the assembled cable glands.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SZS M40 | Version |
| Order No. | 1736340000 | SZS (serrated washer), Retaining toothed washers, M 40, Stainless steel 1.4404 (316L) |
| GTIN (EAN) | 4008190963545 | |
| Qty. | 5 pc(s). | |