

KDSW (Klippon double seal SWA Ex cable gland) KDSW M20 BN L SC 2 G16

Weidmüller Interface GmbH & Co. KG
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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 armouring and lead-sheath armouring. 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 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. 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 BN L SC 2 G16
Order No.	1076270000
Version	KDSW (Klippon double seal SWA Ex cable gland), Cable glands, M 20, 16 mm, Single-wire armouring, Lead sheath armouring, 0.9 - OD min. 8.4 - OD max. 13.5 mm, ID min. 3.50 - ID max. 8.40 mm, IP66, IP68 - 2.5 bar, Brass
GTIN (EAN)	4032248839711
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Length	58 mm	Length (inches)	2.283 inch
Net weight	144 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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General information

Material	Brass	Cable glands	metric, brass
External thread	M 20	Pitch of thread	1.5 mm
Length of thread	16 mm	AF size 1	24 mm
Protection degree	IP54	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Water depth	25 m (30 Min.)	Operating temperature range, min.	-35 °C
Operating temperature range, max.	90 °C	Outer cable diameter, min.	8.4 mm
Outer cable diameter, max.	13.5 mm	Inner cable diameter, min.	3.5 mm
Inner cable diameter, max.	8.4 mm	Type of armouring, short term	SWA
Type of armouring	Single-wire armouring, Lead sheath armouring	Armour, min.	0.9 mm
Size of protective cap	L24	O-Ring	NBR
Seal insert	CR	Sealing	CR
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 KDSW cable Gland - DoC DE PS2680 160315 002ISS01
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
User Documentation	Notice to Installers Assembly guidelines

Creation date May 1, 2020 4:46:08 PM CEST

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 L24	Version
Order No.	1736570000	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956226	
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 L24 S	Version
Order No.	0930700001	KSP (Klippon shroud), Protective cap, Silicone
GTIN (EAN)	4032248975969	
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/M20 SC	Version
Order No.	0930710002	EA (earthing rings), Earthing ring, M 20
GTIN (EAN)	4032248849819	
Qty.	20 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 M20 MS SC	Version
Order No.	0930640002	SKMU MS (brass locknut), Locknut, M 20, 4 mm, Brass
GTIN (EAN)	4032248849826	
Qty.	50 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 M20	Version
Order No.	0930730002	KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6
GTIN (EAN)	4032248849802	
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 M20	Version
Order No.	1736310000	SZS (serrated washer), Retaining toothed washers, M 20, Stainless
GTIN (EAN)	4008190963514	steel 1.4404 (316L)
Qty.	10 pc(s).	