

KDSW (Klippon double seal SWA Ex cable gland) KDSW M20 BN L NI 2 G20

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 NI 2 G20
Order No.	1074780000
Version	KDSW (Klippon double seal SWA Ex cable gland), Cable glands, M 20, 16 mm, Single-wire armouring, Lead sheath armouring, 0.9 - 1.25 mm, OD min. 15.5 - OD max. 21.1 mm, ID min. 6.70 - ID max. 14.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
GTIN (EAN)	4032248837175
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Length	58 mm	Length (inches)	2.283 inch
Net weight	191.7 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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General information

Material	Brass, nickel-plated	Cable glands	metric, nickel-plated brass
External thread	M 20	Pitch of thread	1.5 mm
Length of thread	16 mm	AF size 1	30 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.	15.5 mm
Outer cable diameter, max.	21.1 mm	Inner cable diameter, min.	6.7 mm
Inner cable diameter, max.	14 mm	Type of armouring, short term	SWA
Type of armouring	Single-wire armouring, Lead sheath armouring	Armour, min.	0.9 mm
Armour, max.	1.25 mm	Size of protective cap	L30
O-Ring	NBR	Seal insert	CR
Sealing	CR	Explosion protection type	Improved safety Ex e, Pressure-resistant Ex d encapsulation
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 4:27:52 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 L30	Version
Order No.	1736580000	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956233	
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 L30 S	Version
Order No.	0930700002	KSP (Klippon shroud), Protective cap, Silicone
GTIN (EAN)	4032248975976	
Qty.	10 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 M20 MS	Version
Order No.	1737000000	SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated
GTIN (EAN)	4008190956479	
Qty.	100 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 M20	Version
Order No.	0930730002	KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6
GTIN (EAN)	4032248849802	
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 20	Version
Order No.	1736490000	EA (earthing rings), Earthing ring, M 20, Brass, nickel-plated
GTIN (EAN)	4008190963590	
Qty.	20 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).	