

## KDSW (Klippon double seal SWA Ex cable gland) KDSW M50 BN L SC 1 G50

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



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 M50 BN L SC 1 G50
Order No.	<a href="#">1076400000</a>
Version	KDSW (Klippon double seal SWA Ex cable gland), Cable glands, M 50, 16 mm, Single-wire armouring, Lead sheath armouring, 2 - 2.5 mm, OD min. 41.1 - OD max. 48.5 mm, ID min. 36.50 - ID max. 44.10 mm, IP66, IP68 - 2.5 bar, Brass
GTIN (EAN)	4032248839841
Qty.	1 pc(s).

**KDSW (Klippon double seal SWA Ex cable gland)  
KDSW M50 BN L SC 1 G50**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****Dimensions and weights**

Length	73 mm	Length (inches)	2.874 inch
Net weight	758 g		

**Environmental Product Compliance**

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

**General information**

Material	Brass	Cable glands	metric, brass
External thread	M 50	Pitch of thread	1.5 mm
Length of thread	16 mm	AF size 1	65 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.	41.1 mm
Outer cable diameter, max.	48.5 mm	Inner cable diameter, min.	36.5 mm
Inner cable diameter, max.	44.1 mm	Type of armouring, short term	SWA
Type of armouring	Single-wire armouring, Lead sheath armouring	Armour, min.	2 mm
Armour, max.	2.5 mm	Size of protective cap	L65
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	<a href="#">EU Declaration of Conformity - Klippon KDSW cable Gland - DoC DE PS2680 160315 002ISS01</a>
Brochure/Catalogue	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB PROCESS EN</a> <a href="#">CAT 5 ENCL 17/18 EN</a> <a href="#">PI KLIPPON CABLE GL EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Notice to Installers</a> <a href="#">Assembly guidelines</a>

Creation date May 1, 2020 4:48:27 PM CEST

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

2

## KDSW (Klippon double seal SWA Ex cable gland) KDSW M50 BN L SC 1 G50

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## 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 L65	Version
Order No.	<a href="#">1736620000</a>	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956288	
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 L65 S	Version
Order No.	<a href="#">0930700006</a>	KSP (Klippon shroud), Protective cap, Silicone
GTIN (EAN)	4032248976010	
Qty.	10 pc(s).	

**KDSW (Klippon double seal SWA Ex cable gland)  
KDSW M50 BN L SC 1 G50**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**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/M50 SC	Version
Order No.	<a href="#">0930710006</a>	EA (earthing rings), Earthing ring, M 50, Brass
GTIN (EAN)	4032248976218	
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 M50 MS SC	Version
Order No.	<a href="#">0930640006</a>	SKMU MS (brass locknut), Locknut, M 50, 5 mm, Brass
GTIN (EAN)	4032248976102	
Qty.	5 pc(s).	

**KDSW (Klippon double seal SWA Ex cable gland)  
KDSW M50 BN L SC 1 G50**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**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 M50	Version
Order No.	<a href="#">0900660000</a>	KSWN (flat gasket - nylon), Sealing ring, M 50, Nylon 6
GTIN (EAN)	4032248850105	
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 M50	Version
Order No.	<a href="#">1736350000</a>	SZS (serrated washer), Retaining toothed washers, M 50, Stainless
GTIN (EAN)	4008190963552	steel 1.4404 (316L)
Qty.	5 pc(s).	