

## KDSW M50 BS O NI 2 G50S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Similar to illustration



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 -35°C to +90°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

Version	KDSW (Klippon double seal SWA Ex cable gland), Cable glands, straight, M 50, 16 mm, Single-wire armouring, 2 - 2.5 mm, OD min. 39.4 - OD max. 46.7 mm, ID min. 31.50 - ID max. 38.20 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
Order No.	<a href="#">1136550000</a>
Type	KDSW M50 BS O NI 2 G50S
GTIN (EAN)	4032248968985
Qty.	1 pc(s).
Available until	2015-10-30

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## Technical data

### Dimensions and weights

Length	73 mm	Length (inches)	2.874 inch
Net weight	1,091 g		

### Temperatures

Operating temperature	-60 °C...180 °C	Operating temperature, min.	-60 °C
Operating temperature, max.	180 °C		

### Certificate numbers cable gland

Approval conditions	ATEX, IECEX, EAC	Certificate No. (ATEX)	SIRA05ATEX1286X
Certificate No. (IECEX)	IECEXSIR05.0067X	Certificate no. cable gland (EAC)	RU C-DE.HA65.B.00568 20
Certificate no. cable gland (IECEX)	IECEX CML 19.0109X	Identification	ATEX: II 2G, Ex db IIC Gb, Ex eb IIC Gb, II 1D, Ex ta IIIC Da, IECEX: Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da

### General information

AF size 1	65 mm	Armour, max.	2.5 mm
Armour, min.	2 mm	Cable glands	metric, nickel-plated brass
External thread	M 50	Halogen	No
Inner cable diameter, max.	38.2 mm	Inner cable diameter, min.	31.5 mm
Installation guidelines	See assembly instructions	Length of thread	16 mm
Material	Brass, nickel-plated	Operating temperature range, max.	180 °C
Operating temperature range, min.	-60 °C	Outer cable diameter, max.	46.7 mm
Outer cable diameter, min.	39.4 mm	Pitch of thread	1.5 mm
Protection degree	IP54	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Seal insert	Silicone	Sealing	Silicone
Size of protective cap	L65	Type of armouring	Single-wire armouring
Type of armouring, short term	SWA	Water depth	25 m (30 Min.)

### Classifications

ETIM 6.0	EC000441	ETIM 7.0	EC000441
ETIM 8.0	EC000441	ECLASS 9.0	27-14-44-32
ECLASS 9.1	27-14-44-34	ECLASS 10.0	27-14-44-32
ECLASS 11.0	27-14-44-32	ECLASS 12.0	27-14-08-04

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	3394d55b-7892-488f-8603-ea218c1d0691

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**Technical data****Approvals**

Approvals



Approvals EAC; ATEX; IECEX

ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">IECEXSIR05.0067X</a> <a href="#">SIRA05ATEX1286X</a> <a href="#">RU C-DE.HA65.B.00568 20</a> <a href="#">EU Declaration of Conformity - Klippon KDSW cable Gland - DoC DE PS2680 160315 002ISS03</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Notice to Installers</a> <a href="#">Assembly guidelines</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB PROCESS EN</a> <a href="#">PI KLIPPON CABLE GL EN</a> <a href="#">PI KLIPPON CABLE GL EN</a>