

KDSW M50 BS O NI 2 G50S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	1136550000
Type	KDSW M50 BS O NI 2 G50S
GTIN (EAN)	4032248968985
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2023-07-30
Alternative product	1184720000

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Technical data**Dimensions and weights**

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

Temperatures

Operating temperature	-60 °C...180 °C
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Certificate numbers cable gland

Approval conditions	ATEX, IECEX	Certificate No. (ATEX)	SIRA05ATEX1286X
Certificate No. (IECEX)	IECEXSIR05.0067X	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	AF size 2	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	ETIM 9.0	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	ECLASS 13.0	27-14-08-04
ECLASS 14.0	27-14-08-04		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	3394d55b-7892-488f-8603-ea218c1d0691

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Approvals



Approvals	EAC; ATEX; IECEX
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	IECEXSIR05.0067X SIRA05ATEX1286X EU Declaration of Conformity - Klippon KDSW cable Gland - DoC DE PS2680 160315 002ISS03
Engineering Data	CAD data – STEP
User Documentation	Notice to Installers Assembly guidelines
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE MB PROCESS EN PI KLIPPON CABLE GL EN PI KLIPPON CABLE GL EN