Data sheet

KDSW M50 BS O NI 1 G50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

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 ensure 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. 41.1 - OD max. 48.5 mm, ID min. 36.50 - ID max. 44.10 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
Order No.	1136560000
Type	KDSW M50 BS O NI 1 G50
GTIN (EAN)	4032248968978
Qty.	1 items
Delivery status	Discontinued
Available until	2023-07-30T00:00:00+02:00
Alternative product	E1W/50/M50-WM

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Technical data

Approvals

Approvals	IECEXSIR; SIRAATEX
Approvals	EAC; ATEX; IECEX
Approvals	IECEx ATEX - SIRA
ROHS	Conform

Dimensions and weights

Height	73 mm	Height (inches)	2.874 inch
Length	73 mm	Length (inches)	2.874 inch
Net weight	839 g		

Temperatures

Operating temperature	-60 °C...180 °C

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

Certificate numbers cable gland

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	Certificate no. cable gland (IECEx)	IECEx CML 19.0109X
Certificate No. (IECEX)	IECEXSIR05.0067X	Certificate No. (ATEX)	SIRA05ATEX1286X
Approval conditions	ATEX, IECEX		

General information

Outer cable diameter, max.	48.5 mm	Outer cable diameter, min.	41.1 mm
Inner cable diameter, max.	44.10 mm	Inner cable diameter, min.	36.50 mm
Protection degree with GWDR	IP66, IP68 - 2.5 bar	Armour, max.	2.5 mm
Armour, min.	2 mm	Operating temperature range, max.	180 °C
Operating temperature range, min.	-60 °C	Pitch of thread	1.5 mm
Halogen	No	AF size 1	65 mm
AF size 2	65 mm	Protection degree	IP54
Cable gland	metric, nickel-plated brass	Basic material	Brass, nickel-plated
Seal insert	Silicone	Sealing	Silicone
External thread	M 50	Length of thread	16 mm
Water depth	25 m (30 Min.)	Type of armouring, short term	SWA
Type of armouring	Single-wire armouring	Installation guidelines	See assembly instructions
Size of protective cap	L65		

Classifications

ETIM 6.0	EC000441	ETIM 7.0	EC000441
ETIM 8.0	EC000441	ETIM 9.0	EC000441

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ETIM 10.0	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
ECLASS 15.0	27-14-08-04		