

KDSW M20 BN L NI 1 G16**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, M 20, 16 mm, Single-wire armouring, Lead sheath armouring, 0.9 - OD min. 4.9 - OD max. 10.3 mm, ID min. 3.50 - ID max. 8.40 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
Order No.	1074660000
Type	KDSW M20 BN L NI 1 G16
GTIN (EAN)	4032248837120
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Length	58 mm	Length (inches)	2.283 inch
Net weight	167.45 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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
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	24 mm	Armour, min.	0.9 mm
Cable glands	metric, nickel-plated brass	Explosion protection type	Improved safety Ex e, Pressure-resistant Ex d encapsulation
External thread	M 20	Inner cable diameter, max.	8.4 mm
Inner cable diameter, min.	3.5 mm	Installation guidelines	See assembly instructions
Length of thread	16 mm	Material	Brass, nickel-plated
O-Ring	NBR	Operating temperature range, max.	90 °C
Operating temperature range, min.	-35 °C	Outer cable diameter, max.	10.3 mm
Outer cable diameter, min.	4.9 mm	Pitch of thread	1.5 mm
Protection degree	IP54	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Seal insert	CR	Sealing	CR
Size of protective cap	L24	Type of armouring	Single-wire armouring, Lead sheath armouring
Type of armouring, short term	SWA	Water depth	25 m (30 Min.)

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	ECLASS 11.0	27-14-44-32

Approvals

Approvals



Approvals	EAC; ATEX; IECEX
ROHS	Conform

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[IECEXSIR05.0067X](#)
[SIRA05ATEX1286X](#)
[RU C-DE.HA65.B.00568 20](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Notice to Installers](#)
[Assembly guidelines](#)