

KDSU M50 BN O SC 1 G50S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

The KDSU features a special ring in the shape of a truncated cone. The ring enables connections between single-wire-armoured and metal-foil-armoured cables and braided-armoured lines. This ensures a conductive connection between the cable and the cable gland. It is also possible to connect non-armoured cables and lines. In addition, the KDSU comes with two separate 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. The O-ring and the cable gland included in the delivery are made from the same material. When using both sealing materials, IP66 or IP68 protection at a depth of 25 metres under water (a pressure of 2.5 bar) is guaranteed. The KDSU is permitted for use with pressure-resistant Ex d encapsulations and increased safety Ex e. Besides the mechanical protective function offered for cables and lines, this can also be used for EMC applications.

General ordering data

Version	KDSU (Klippon double seal universal Ex cable gland), Cable glands, M 50, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 2.5 mm, OD min. 34.8 - OD max. 42.4 mm, ID min. 28.10 - ID max. 38.20 mm, IP66, IP68 - 2.5 bar, Brass
Order No.	1076180000
Type	KDSU M50 BN O SC 1 G50S
GTIN (EAN)	4032248836147
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	125 mm	Length (inches)	4.921 inch
Net weight	1,415 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)	SIRA05ATEX1285X
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	65 mm	Armour, max.	2.5 mm
Armour, min.	0.1 mm	Cable glands	metric, brass
External thread	M 50	Inner cable diameter, max.	38.2 mm
Inner cable diameter, min.	28.1 mm	Installation guidelines	See assembly instructions
Length of thread	16 mm	Material	Brass
O-Ring	NBR	Operating temperature range, max.	90 °C
Operating temperature range, min.	-35 °C	Outer cable diameter, max.	42.4 mm
Outer cable diameter, min.	34.8 mm	Pitch of thread	1.5 mm
Protection degree	IP66, IP68 - 2.5 bar	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Seal insert	CR	Sealing	CR
Size of protective cap		Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
	EL65	Water depth	25 m (30 Min.)
Type of armouring, short term	SWA, STA, SWB		

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	SIRA05ATEX1285X IECEXSIR05.0067X RU C-DE.HA65.B.00568 20 EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS01
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Notice to Installers Assembly guidelines