

KDSU (Klippon double seal universal Ex cable gland) KDSU M25 BS O NI 1 G25

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 -20°C to +85°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

Type	KDSU M25 BS O NI 1 G25
Order No.	0930031221
Version	KDSU (Klippon double seal universal Ex cable gland), Cable glands, M 25, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 1.6 mm, OD min. 16.8 - OD max. 23.9 mm, ID min. 13.50 - ID max. 20.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
GTIN (EAN)	4032248917938
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Length	90 mm	Length (inches)	3.543 inch
Net weight	400 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Certificate numbers cable gland

Identification	ATEX: II 2G, Ex d IIC Gb, Ex e IIC Gb; II 1D, Ex ta IIIC Da, IECEx: Ex d IIC Gb; Ex e IIC Gb; Ex ta IIIC Da	Certificate no. cable gland (ATEX)	SIRA 05 ATEX 1285X
Certificate no. cable gland (IECEx)	IECXSIR05.0067X	Certificate no. cable gland (EAC)	RUC-DE.IT08.B.00594

General information

AF size 1	38 mm	Armour, max.	1.6 mm
Armour, min.	0.1 mm	Cable glands	metric, nickel-plated brass
External thread	M 25	Inner cable diameter, max.	20 mm
Inner cable diameter, min.	13.5 mm	Installation guidelines	See assembly instructions
Length of thread	16 mm	Material	Brass, nickel-plated
O-Ring	Silicone	Operating temperature range, max.	180 °C
Operating temperature range, min.	-60 °C	Outer cable diameter, max.	23.9 mm
Outer cable diameter, min.	16.8 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	Silicone	Sealing	NBR
Size of protective cap		Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
	EL38		
Water depth	25 m (30 Min.)		

Classifications

ETIM 6.0	EC000441	eClass 6.2	27-14-91-11
eClass 7.1	27-14-91-11	eClass 8.1	27-14-91-11
eClass 9.0	27-14-44-32	eClass 9.1	27-14-44-34

Approvals

Approvals



Approvals	EAC; ATEX; IECEX
ROHS	Conform

Data sheet**KDSU (Klippon double seal universal Ex cable gland)
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS01
Brochure/Catalogue	MB OVERV. PROCESS WD DE MB PROCESS EN CAT 5 ENCL 17/18 EN PI KLIPPON CABLE GL EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
User Documentation	Notice to Installers Assembly guidelines