KDSU (Klippon double seal universal Ex cable gland)
KDSU M75 BN O NI 2 G75S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany
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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 ensure 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 M75 BN O NI 2 G75S
Order No.	1083410000
Version	KDSU (Klippon double seal universal Ex cable gland), Cable glands, M 75, 19 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 2.5 mm, OD min. 64.8 - OD max. 72.2 mm, ID min. 52.10 - ID max. 62.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
GTIN (EAN)	4032248847624
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	131 mm	Length (inches)	5.157 inch
Net weight	1,980 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

General information

Material	Brass, nickel-plated	Cable glands	metric, nickel-plated brass
External thread	M 75	Pitch of thread	1.5 mm
Length of thread	19 mm	AF size 1	90 mm
Protection degree	IP66, IP68 - 2.5 bar	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Water depth	25 m (30 Min.)	Operating temperature range, min.	-35 °C
Operating temperature range, max.	90 °C	Outer cable diameter, min.	64.8 mm
Outer cable diameter, max.	72.2 mm	Inner cable diameter, min.	52.1 mm
Inner cable diameter, max.	62 mm	Type of armouring, short term	SWA, STA, SWB
Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring	Armour, min.	0.1 mm
Armour, max.	2.5 mm	Size of protective cap	EL90
O-Ring	NBR	Seal insert	CR
Sealing	CR	Installation guidelines	See assembly instructions

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		

Approvals

Approvals

IECEx - SIRA ATEX - SIRA

Approvals	EAC; ATEX; IECEX
ROHS	Conform

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

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Accessories

Protective caps - PVC

The KSPs are protective caps made from PVC. They protect disconnected cable glands from external environmental influences (e.g., dust) when delivered in a pre-assembled enclosure.

General ordering data

Type	KSP EL90	Version
Order No.	1076790000	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4032248838608	
Qty.	10 pc(s).	

Klippon ® KSWF vulcanised fibre

The KSWF is a flat seal made from fibre material suitable for optional large-surface sealing of cable glands on enclosures or electrical cabinets.

General ordering data

Type	KSWF M75	Version
Order No.	1076740000	KSWF (flat gasket - vulcanised fibre), Sealing ring, M 75, Vulcanized
GTIN (EAN)	4032248838660	fibre
Qty.	25 pc(s).	

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Accessories

Brass nuts, standard, nickel-plated

Weidmüller has a variety of different cable and wire entry systems in the Portfolio: with different designs of plastic, brass and stainless steel cable glands in the IP66, 67, 68 or IP69k protection classes. As a complete alternative to cable glands, pre-assembled cables with modular multi-wire or multi-cable entry systems can be simply and quickly inserted into electrical equipment. Last but not least, Weidmüller offers EX-certified cable glands and cable/wire entry systems.

- Cable glands made from plastic and brass
- EMC screwed joints
- for areas at risk of explosion
- VDE, CSA and UL approvals

General ordering data

Type	SKMU M75 MS	Version
Order No.	1737060000	SKMU MS (brass locknut), Locknut, M 75, 8 mm, Brass, nickel-plated
GTIN (EAN)	4008190956530	
Qty.	5 pc(s).	

Klippon® KSWN Nylon

The KSWN is a flat seal made from nylon suitable for optional large-surface sealing of cable glands on enclosures or electrical cabinets.

General ordering data

Type	KSWN M75	Version
Order No.	1076670000	KSWN (flat gasket - nylon), Sealing ring, M 75, Nylon 6
GTIN (EAN)	4032248838714	
Qty.	25 pc(s).	

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Accessories

Nickel-plated earthing ring

The range of cable glands is rounded off by a large number of accessories.

Earthing rings are best used when a cable shielding is being tightened onto the cable gland, and when it has the same potential as another cable gland on the housing.

General ordering data

Type	EA-RING MS/M 75	Version
Order No.	1736550000	EA (earthing rings), Earthing ring, M 75, Brass, nickel-plated
GTIN (EAN)	4008190963668	
Qty.	10 pc(s).	