

## KDSU (Klippon double seal universal Ex cable gland) KDSU M20 BS O NI 1 G20S

**Weidmüller Interface GmbH & Co. KG**  
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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 M20 BS O NI 1 G20S
Order No.	<a href="#">0930011223</a>
Version	KDSU (Klippon double seal universal Ex cable gland), Cable glands, M 20, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 1.25 mm, OD min. 9.4 - OD max. 12.5 mm, ID min. 7.20 - ID max. 11.70 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
GTIN (EAN)	4032248917853
Qty.	20 pc(s).

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### Technical data

#### Dimensions and weights

Length	78 mm	Length (inches)	3.071 inch
Net weight	160 g		

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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#### General information

Material	Brass, nickel-plated	Cable glands	metric, nickel-plated brass
External thread	M 20	Pitch of thread	1.5 mm
Length of thread	16 mm	AF size 1	24 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.	-60 °C
Operating temperature range, max.	180 °C	Outer cable diameter, min.	9.4 mm
Outer cable diameter, max.	12.5 mm	Inner cable diameter, min.	7.2 mm
Inner cable diameter, max.	11.7 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.	1.25 mm	Size of protective cap	L24
O-Ring	Silicone	Seal insert	Silicone
Sealing	NBR	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



Approvals	EAC; ATEX; IECEX
ROHS	Conform

#### Downloads

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

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**Accessories**

**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 M20	Version
Order No.	<a href="#">0899750000</a>	KSWF (flat gasket - vulcanised fibre), Sealing ring, M 20, Vulcanized
GTIN (EAN)	4032248850174	fibre
Qty.	25 pc(s).	

**Protective caps - silicone**



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 L24 S	Version
Order No.	<a href="#">0930700001</a>	KSP (Klippon shroud), Protective cap, Silicone
GTIN (EAN)	4032248975969	
Qty.	10 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 M20 MS	Version
Order No.	<a href="#">1737000000</a>	SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated
GTIN (EAN)	4008190956479	
Qty.	100 pc(s).	

**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 L24	Version
Order No.	<a href="#">1736570000</a>	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956226	
Qty.	10 pc(s).	

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**Accessories**

**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 M20	Version
Order No.	<a href="#">0930730002</a>	KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6
GTIN (EAN)	4032248849802	
Qty.	25 pc(s).	

**Safety serrated washer**



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

The serrated stainless steel washers are used to prevent loosening of the assembled cable glands.

**General ordering data**

Type	SZS M20	Version
Order No.	<a href="#">1736310000</a>	SZS (serrated washer), Retaining toothed washers, M 20, Stainless
GTIN (EAN)	4008190963514	steel 1.4404 (316L)
Qty.	10 pc(s).	

**Data sheet****KDSU (Klippon double seal universal Ex cable gland)  
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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 20	Version
Order No.	<a href="#">1736490000</a>	EA (earthing rings), Earthing ring, M 20, Brass, nickel-plated
GTIN (EAN)	4008190963590	
Qty.	20 pc(s).	