

KUB (Klippon universal die-cast Ex cable gland) KUB M20 BS O NI 2 G20

Weidmüller Interface GmbH & Co. KG
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Germany
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The KUB 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. The KUB also features a seal for sealing the outer cable insulation. The area of the connecting cable that is exposed after stripping the inner insulation is then encapsulated with the encapsulation compound (included in delivery). Thus all of the gaps and spaces between the individual wire strands are 100% sealed. The cable gland is certified for use in temperatures ranging from -60°C to +85°C. The O-ring and the encapsulation compound are both included in the delivery. When encapsulated, the cable gland guarantees IP66 or IP68 protection at a depth of 100 metres under water (a pressure of 10 bar). The KUB is only approved for use with pressure-resistant Ex d encapsulation. This type of cable gland must be used in the following cases: 1.) If the surroundings of an IIC device require it or when the enclosure contains components that could trigger an internal explosion (such as a flying spark) 2.) When the surroundings of no group-IIC devices require it, the enclosure contains components that could trigger an internal explosion, it is a Zone-1 installation, and the enclosure volume is greater than 2 dm³.

General ordering data

Type	KUB M20 BS O NI 2 G20
Order No.	1095150000
Version	KUB (Klippon universal die-cast Ex cable gland), Cable glands, M 20, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 1.25 mm, OD min. 15.5 - OD max. 21.1 mm, ID max. 14.00 mm, IP68 - 10 bar, Brass, nickel-plated
GTIN (EAN)	4032248868117
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Length	73 mm	Length (inches)	2.874 inch
Net weight	240 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	30 mm
Protection degree	IP68 - 10 bar	Protection degree with GWDR	IP68 - 10 bar
Water depth	100 m (30 Min.)	Operating temperature range, min.	-60 °C
Operating temperature range, max.	135 °C	Outer cable diameter, min.	15.5 mm
Outer cable diameter, max.	21.1 mm	Inner cable diameter, max.	14 mm
Type of armouring, short term		Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
	SWA, STA, SWB		
Armour, min.	0.1 mm	Armour, max.	1.25 mm
Number of wires	40	Max. diameter of bundled wires	12.5
Size of protective cap	EL30	O-Ring	Silicone
Seal insert	Silicone	Sealing	Silicone
Encapsulation compound	Processing temperature at 21°C, the sealing compound is hardened after one hour, After 4 hours, the cable gland can be installed and initial commissioning can take place	Explosion protection type	Pressure-resistant Ex d encapsulation
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

Data sheet**KUB (Klippon universal die-cast Ex cable gland)
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	EU Declaration of Conformity - Klippon KUB cable Gland - DoC DE PS2680 160315 005ISS01
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
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 EL30	Version
Order No.	1736670000	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956332	
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 M20	Version
Order No.	0899750000	KSWF (flat gasket - vulcanised fibre), Sealing ring, M 20, Vulcanized
GTIN (EAN)	4032248850174	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 M20 MS	Version
Order No.	1737000000	SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated
GTIN (EAN)	4008190956479	
Qty.	100 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 M20	Version
Order No.	0930730002	KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6
GTIN (EAN)	4032248849802	
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 20	Version
Order No.	1736490000	EA (earthing rings), Earthing ring, M 20, Brass, nickel-plated
GTIN (EAN)	4008190963590	
Qty.	20 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.	1736310000	SZS (serrated washer), Retaining toothed washers, M 20, Stainless steel 1.4404 (316L)
GTIN (EAN)	4008190963514	
Qty.	10 pc(s).	