

**KUB M20 BS O NI 1 G20**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)
**Similar to illustration**


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 +135°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 for 7 days). 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 dm<sup>3</sup>.

**General ordering data**

Version	KUB (Klippon universal die-cast Ex cable gland), Cable glands, straight, M 20, 16 mm, Single-wire armouring, Metal foil armouring, Braided armouring, 0.1 - 1.25 mm, OD min. 12 - OD max. 17.6 mm, ID max. 14.00 mm, IP68 - 10 bar, Brass, nickel-plated
Order No.	<a href="#">1095140000</a>
Type	KUB M20 BS O NI 1 G20
GTIN (EAN)	4032248867974
Qty.	20 items
Delivery status	Discontinued
Available until	2023-07-30T00:00:00+02:00

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## Technical data

## Approvals

Approvals	IECEXSIR; SIRAATEX
Approvals	EAC; ATEX; IECEX
Approvals	



ROHS	Conform
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## Dimensions and weights

Height	72 mm	Height (inches)	2.8346 inch
Length	73 mm	Length (inches)	2.874 inch
Net weight	307.15 g		

## Temperatures

Operating temperature	-60 °C...135 °C
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## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	3394d55b-7892-488f-8603-ea218c1d0691

## Certificate numbers cable gland

Identification	ATEX: II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC (Ta = -60°C to + 135°C) or II 1D, Ex ta IIIC Da (Ta = -60°C to + 135°C), IECEX: Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da	Certificate no. cable gland (IECEX)	IECEX CML 19.0109X
Certificate No. (IECEX)	IECEXSIR05.0067X	Certificate No. (ATEX)	SIRA05ATEX1288X
Approval conditions	ATEX, IECEX		

## General information

Outer cable diameter, max.	17.6 mm	Outer cable diameter, min.	12 mm
Inner cable diameter, max.	14.00 mm	O-Ring	Silicone
Protection degree with GWDR	IP68 - 10 bar	Number of wires	40
Armour, max.	1.25 mm	Armour, min.	0.1 mm
Operating temperature range, max.	135 °C	Operating temperature range, min.	-60 °C
Pitch of thread	1.5 mm	Halogen	No
AF size 1	30 mm	AF size 2	30 mm
Protection degree	IP68 - 10 bar	Cable gland	metric, nickel-plated brass
Basic material	Brass, nickel-plated	Seal insert	Silicone
Sealing	Silicone	External thread	M 20
Length of thread	16 mm	Water depth	100 m (30 Min.)
Type of armouring, short term	SWA, STA, SWB	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

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Explosion protection type	Pressure-resistant Ex d encapsulation	Type of armouring	commissioning can take place Single-wire armouring, Metal foil armouring, Braided armouring
Max. diameter of bundled wires	12.50	Installation guidelines	See assembly instructions
Size of protective cap	EL30		

**Classifications**

ETIM 8.0	EC000441	ETIM 9.0	EC000441
ETIM 10.0	EC000441	ECLASS 14.0	27-14-08-04
ECLASS 15.0	27-14-08-04		

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**Accessories**
**Brass lock nuts, nickel-plated**


In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

**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 ST	

**Safety serrated washer**


In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

**General ordering data**

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

**Earth tags**


In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

**General ordering data**

Type	EA-RING MS/M 20	Version
Order No.	<a href="#">1736490000</a>	EA (earthing rings), Earthing ring, Miscellaneous, M 20, Brass, nickel-plated
GTIN (EAN)	4008190963590	
Qty.	20 ST	

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## Accessories

## Vulcanised fibre gasket - KSWF



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

## 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 ST		

## Nylon flat gasket - KSWN



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

## 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 ST		

## Protective caps



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

## General ordering data

Type	KSP EL30	Version	
Order No.	<a href="#">1736670000</a>	KSP (Klippon shroud), Protective cap, PVC	
GTIN (EAN)	4008190956332		
Qty.	10 ST		