

KDSU M20 BN O SC 2 G16
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com
Similar to illustration


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 -35°C to +90°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

Version	KDSU (Klippon double seal universal 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. 9 - OD max. 13.5 mm, ID min. 3.40 - ID max. 8.40 mm, IP66, IP68 - 2.5 bar, Brass
Order No.	1909260000
Type	KDSU M20 BN O SC 2 G16
GTIN (EAN)	4032248535880
Qty.	20 items
Delivery status	Discontinued
Available until	2023-07-30T00:00:00+02:00
Alternative product	E1W/20/M20-WM

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Technical data

Approvals

Approvals IECESIR; SIRAATEX

Approvals EAC; ATEX; IECEx

Approvals



ROHS Conform

Dimensions and weights

Height	78 mm	Height (inches)	3.0709 inch
Length	78 mm	Length (inches)	3.0709 inch
Net weight	177 g		

Temperatures

Operating temperature -35 °C...90 °C

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 2G, Ex db IIC Gb, Ex eb IIC Gb, II 1D, Ex ta IIIC Da, 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)	IECESIR05.0067X	Certificate No. (ATEX)	SIRA05ATEX1285X
Approval conditions	ATEX, IECEx		

General information

Outer cable diameter, max.	13.5 mm	Outer cable diameter, min.	9 mm
Inner cable diameter, max.	8.40 mm	Inner cable diameter, min.	3.40 mm
O-Ring	NBR	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Armour, max.	1.25 mm	Armour, min.	0.1 mm
Operating temperature range, max.	90 °C	Operating temperature range, min.	-35 °C
Pitch of thread	1.5 mm	Halogen	Yes
AF size 1	24 mm	AF size 2	24 mm
Protection degree	IP66, IP68 - 2.5 bar	Cable gland	metric, brass
Basic material	Brass	Seal insert	CR
Sealing	CR	External thread	M 20
Length of thread	16 mm	Water depth	25 m (30 Min.)
Type of armouring, short term	SWA, STA, SWB	Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
Installation guidelines	See assembly instructions	Size of protective cap	L24

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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, natural finish



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 SC	Version
Order No.	0930640002	SKMU MS (brass locknut), Locknut, M 20, 4 mm, Brass
GTIN (EAN)	4032248849826	
Qty.	50 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.	1736310000	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/M20 SC	Version
Order No.	0930710002	EA (earthing rings), Earthing ring, Miscellaneous, M 20, Brass
GTIN (EAN)	4032248849819	
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.	0899750000	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.	0930730002	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 L24	Version
Order No.	1736570000	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956226	
Qty.	10 ST	

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Accessories

Type	KSP L24 S	Version	
Order No.	0930700001	KSP (Klippon shroud), Protective cap, 0 mm, Silicone	
GTIN (EAN)	4032248975969		
Qty.	10 ST		