KDSU M20 BS O NI 1 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 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 -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. 6.7 - OD max. 10.3 mm, ID min. 3.40 - ID max. 8.40 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
Order No.	0930001221
Type	KDSU M20 BS O NI 1 G16
GTIN (EAN)	4032248917815
Qty.	20 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-07-30
Alternative product	1184650000

KDSU M20 BS O NI 1 G16

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Dimensions and weights

Height	78 mm	Height (inches)	3.071 inch
Length	78 mm	Length (inches)	3.071 inch
Net weight	185.1 g		

Temperatures

Operating temperature	-60 °C...180 °C

Certificate numbers cable gland

Approval conditions	ATEX, IECEX	Certificate No. (ATEX)	SIRA05ATEX1285X
Certificate No. (IECEX)	IECEXSIR05.0067X	Certificate no. cable gland (IECEx)	IECEx CML 19.0109X
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		

General information

AF size 1	24 mm	AF size 2	24 mm
Armour, max.	1.25 mm	Armour, min.	0.1 mm
Cable glands	metric, nickel-plated brass	External thread	M 20
Halogen	No	Inner cable diameter, max.	8.4 mm
Inner cable diameter, min.	3.4 mm	Installation guidelines	See assembly instructions
Length of thread	16 mm	Material	Brass, nickel-plated
O-Ring	Silicone	Operating temperature range, max.	180 °C
Operating temperature range, min.	-60 °C	Outer cable diameter, max.	10.3 mm
Outer cable diameter, min.	6.7 mm	Pitch of thread	1.5 mm
Protection degree	IP66, IP68 - 2.5 bar	Protection degree with GWDR	IP66, IP68 - 2.5 bar
Seal insert	Silicone	Sealing	Silicone
Size of protective cap	L24	Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
Type of armouring, short term	SWA, STA, SWB	Water depth	25 m (30 Min.)

Classifications

ETIM 6.0	EC000441	ETIM 7.0	EC000441
ETIM 8.0	EC000441	ETIM 9.0	EC000441
ECLASS 9.0	27-14-44-32	ECLASS 9.1	27-14-44-34
ECLASS 10.0	27-14-44-32	ECLASS 11.0	27-14-44-32
ECLASS 12.0	27-14-08-04	ECLASS 13.0	27-14-08-04

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

KDSU M20 BS O NI 1 G16

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals	 IECEx - SIRA  ATEX - SIRA
Approvals	EAC; ATEX; IECEX
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	SIRA05ATEX1285X IECEXSIR05.0067X EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS03
Engineering Data	CAD data – STEP
User Documentation	Notice to Installers Assembly guidelines
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE MB PROCESS EN PI KLIPPON CABLE GL EN PI KLIPPON CABLE GL EN

KDSU M20 BS O NI 1 G16

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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 pc(s).	

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.	1736490000	EA (earthing rings), Earthing ring, Miscellaneous, M 20, Brass, nickel-
GTIN (EAN)	4008190963590	plated
Qty.	20 pc(s).	

KDSU M20 BS O NI 1 G16

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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.	1737000000	SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated
GTIN (EAN)	4008190956479	
Qty.	100 pc(s).	

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

KDSU M20 BS O NI 1 G16

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

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 pc(s).	

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
GTIN (EAN)	4008190963514	steel 1.4404 (316L)
Qty.	10 pc(s).	