

**KDSU M20 BS O NI 1 G20S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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. 9.4 - OD max. 12.5 mm, ID min. 7.20 - ID max. 11.70 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated
Order No.	<a href="#">0930011223</a>
Type	KDSU M20 BS O NI 1 G20S
GTIN (EAN)	4032248917853
Qty.	20 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2023-07-30
Alternative product	<a href="#">1184670000</a>

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**Technical data****Dimensions and weights**

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

**Temperatures**

Operating temperature	-60 °C...180 °C
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**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.	11.7 mm
Inner cable diameter, min.	7.2 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.	12.5 mm
Outer cable diameter, min.	9.4 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
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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



Approvals	EAC; ATEX; IECEx
ROHS	Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">SIRA05ATEX1285X</a> <a href="#">IECExSIR05.0067X</a> <a href="#">EU Declaration of Conformity - Klippon KDSU cable Gland - DoC DE PS2680 160315 001ISS03</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Notice to Installers</a> <a href="#">Assembly guidelines</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB PROCESS EN</a> <a href="#">PI KLIPPON CABLE GL EN</a> <a href="#">PI KLIPPON CABLE GL EN</a>

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[www.weidmueller.com](http://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.	<a href="#">1737000000</a>	SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated
GTIN (EAN)	4008190956479	
Qty.	100 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.	<a href="#">1736310000</a>	SZS (serrated washer), Retaining toothed washers, M 20, Stainless
GTIN (EAN)	4008190963514	steel 1.4404 (316L)
Qty.	10 pc(s).	

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[www.weidmueller.com](http://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.	<a href="#">0899750000</a>	KSWF (flat gasket - vulcanised fibre), Sealing ring, M 20, Vulcanized
GTIN (EAN)	4032248850174	fibre
Qty.	25 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.	<a href="#">1736570000</a>	KSP (Klippon shroud), Protective cap, PVC
GTIN (EAN)	4008190956226	
Qty.	10 pc(s).	

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

## 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-
GTIN (EAN)	4008190963590	plated
Qty.	20 pc(s).	

## 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 pc(s).	