Cable glands
KDSU M20 BS O NI 2 G20S

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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 -20°C to +85°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

Type	KDSU M20 BS O NI 2 G20S
Order No.	0930011224
Version	cable glands, Brass, nickel-plated, External thread: M 20
GTIN (EAN)	4032248917860
Qty.	20 pc(s).

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Technische Daten

Dimensions and weights

Length	78 mm	Net weight	160 g

Approvals

Approval for cable gland	ATEX II 2 GD, Ex d IIC / Ex e II / Ex tD A21 IP68, IECEx Ex d IIC / Ex e II

General information

AF size 1	24 mm	Armour, max.	1.25 mm
Armour, min.	0.15 mm	Cable gland	metric, nickel-plated brass
Explosion protection type	Pressure-resistant Ex d encapsulation, Improved safety Ex e	External thread	M 20
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.	16 mm	Outer cable diameter, min.	11.5 mm
Pitch of thread	1.5	Protection degree with GWDR	IP 68 - 2.5 bar
Seal insert	Silicone	Sealing	NBR
Size of protective cap	L24	Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
Water depth	25 m (30 Min.)		

Classifications

eClass 6.2	27-14-91-11	eClass 7.1	27-14-91-11

Test certificates

Certificate No. (ATEX)	SIRA05ATEX1285X	Certificate No. (IECEX)	IECEXSIR05.0067X

Product information

Descriptive text ordering data	<0x2022> <0x0007>All cable glands have a thread pitch of 1.5 mm. <0x2022> <0x0007>In the case of Ex d applications, the inner threads used for cable glands must meet the requirements of section 5.3 of EN/IEC 60079-1. In the screwed in position, at least 5 threads must be engaged. <0x2022> <0x0007>If the cable glands are installed in non-metallic Ex e connection equipment, these must be connected to the protective earth of the system. <0x2022> <0x0007>The connection cable must be laid securely and inflexibly to rule out tensile stress.

Approvals

Approvals

GOSTEX IEC EX ATEX

ROHS	Conform

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PDF	Notice to Installers

Erstellungs-Datum December 12, 2013 11:14:28 AM CET