

Cable glands
KDSW M20 BS O NI 2 G20

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The KDSW features a special ring in the shape of a truncated cone. The ring enables connections between cable and lines with single-wire armoring and lead-sheath armoring. This ensure a conductive connection between the cable and the cable gland. In addition, the KDSW comes with two seals which provide sealing for the outer and inner parts of the cable insulation. The cable armoring 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. When both sealing materials are used, it is possible to achieve IP66 or IP67 protection. The KDSW is permitted for use with pressure-resistant Ex d encapsulations and increased safety Ex e.

General ordering data

Type	KDSW M20 BS O NI 2 G20
Order No.	1136460000
Version	cable glands, Brass, nickel-plated, External thread: M 20
GTIN (EAN)	4032248969050
Qty.	20 pc(s).

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Technische Daten

Dimensions and weights

Length	58 mm	Net weight	186 g
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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
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General information

AF size 1	24 mm	Armour, max.	1.25 mm
Armour, min.	0.9 mm	Cable gland	metric, nickel-plated brass
External thread	M 20	Inner cable diameter, max.	14 mm
Inner cable diameter, min.	6.7 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.	21.1 mm
Outer cable diameter, min.	15.5 mm	Pitch of thread	1.5
Protection degree with GWDR	IP 66, IP 68 - 2.5 bar	Seal insert	Silicone
Sealing	Silicone	Size of protective cap	L30
Type of armoring	Single-wire armoring	Water depth	25 m (30 Min.)

Classifications

ETIM 3.0	EC000441	eClass 6.2	27-14-91-11
eClass 7.1	27-14-91-11		

Test certificates

Certificate No. (ATEX)	SIRA05ATEX1286X	Certificate No. (IECEX)	IECEXSIR05.0067X
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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.
Descriptive text technical data	IP protection without GWDR is IP 54. To achieve IP 66/68 protection, a nylon GWDR must be ordered separately.

Approvals

Approvals

GOSTEX IEC EX ATEX

ROHS	Conform
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Downloads

PDF	Notice to Installers
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Erstellungs-Datum December 17, 2013 10:34:54 AM CET