

Cable glands

KUB M75 BS O SC 1 G75

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The KUB 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. The KUB also features a seal for sealing the outer cable insulation. The area of the connecting cable that is exposed after stripping the inner insulation is then encapsulated with the encapsulation compound (included in delivery). Thus all of the gaps and spaces between the individual wire strands are 100% sealed. The cable gland is certified for use in temperatures ranging from -60°C to +85°C. The O-ring and the encapsulation compound are both included in the delivery. When encapsulated, the cable gland guarantees IP66 or IP68 protection at a depth of 100 metres under water (a pressure of 10 bar). The KUB is only approved for use with pressure-resistant Ex d encapsulation. This type of cable gland must be used in the following cases:

- 1.) If the surroundings of an IIC device require it or when the enclosure contains components that could trigger an internal explosion (such as a flying spark)
- 2.) When the surroundings of no group-IIC devices require it, the enclosure contains components that could trigger an internal explosion, it is a Zone-1 installation, and the enclosure volume is greater than 2 dm³.

General ordering data

Type	KUB M75 BS O SC 1 G75
Order No.	1095560000
Version	cable glands, Brass, External thread: M 75
GTIN (EAN)	4032248868339
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	122 mm	Net weight	2,240 g
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Approvals

Approval for cable gland	ATEX II 2 GD, Ex d IIC / Ex tD A21 IP68, I M2 Ex d I, IECEx Ex d IIC / Ex d I
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General information

AF size 1	90 mm	Armour, max.	2.5 mm
Armour, min.	0.3 mm	Cable gland	metric, brass
Encapsulation compound	Processing temperature at 21°C, the sealing compound is hardened after one hour, After 4 hours, the cable gland can be installed and initial commissioning can take place	Explosion protection type	Pressure-resistant Ex d encapsulation
External thread	M 75	Inner cable diameter, max.	56 mm
Installation guidelines	See assembly instructions	Length of thread	19 mm
Material	Brass	Max. diameter of bundled wires	60.8
No. of wires	140	O-Ring	Silicone
Operating temperature range, max.	85 °C	Operating temperature range, min.	-60 °C
Outer cable diameter, max.	65.8 mm	Outer cable diameter, min.	66.5 mm
Pitch of thread	1.5	Protection degree with GWDR	IP 68 - 10 bar
Seal insert	CR	Sealing	Silicone
Size of protective cap	EL90	Type of armouring	Single-wire armouring, Metal foil armouring, Braided armouring
Water depth	100 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)	SIRA05ATEX1288X	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>The connection cable must be laid securely and inflexibly to rule out tensile stress.
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Approvals

Approvals

GOSTEX IEC EX ATEX

ROHS	Conform
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Erstellungs-Datum December 17, 2013 10:10:45 AM CET

Katalogstand xx.xx.xxxx / Technische Änderungen vorbehalten

Datenblatt

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