

Cable glands KDSW M50 BS O NI 2 G50S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



The KDSW features a special ring in the shape of a truncated cone. The ring enables connections between cable and lines with single-wire armouring and lead-sheath armouring. 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 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. 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 M50 BS O NI 2 G50S
Order No.	1136550000
Version	cable glands, Brass, nickel-plated, External thread: M 50
GTIN (EAN)	4032248968985
Qty.	1 pc(s).

Cable glands

KDSW M50 BS O NI 2 G50S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technische Daten

Dimensions and weights

Length	73 mm	Net weight	980 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	65 mm	Armour, max.	2.5 mm
Armour, min.	2 mm	Cable gland	metric, nickel-plated brass
External thread	M 50	Inner cable diameter, max.	38.2 mm
Inner cable diameter, min.	31.5 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.	46.7 mm
Outer cable diameter, min.	39.4 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	L65
Type of armouring	Single-wire armouring	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
------------------------	-----------------	-------------------------	------------------

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
------	---------

Downloads

PDF	Notice to Installers
-----	--------------------------------------

Erstellungs-Datum December 17, 2013 10:34:59 AM CET

Katalogstand xx.xx.xxxx / Technische Änderungen vorbehalten