

## Cable glands KDSU M75 BS O NI 2 G75S

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)



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 M75 BS O NI 2 G75S                                   |
| Order No.  | <a href="#">1137070000</a>                                |
| Version    | cable glands, Brass, nickel-plated, External thread: M 75 |
| GTIN (EAN) | 4032248969814                                             |
| Qty.       | 1 pc(s).                                                  |

## Cable glands KDSU M75 BS 0 NI 2 G75S

Weidmüller Interface GmbH &amp; 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 | 131 mm | Net weight | 1,980 g |
|--------|--------|------------|---------|

### Approvals

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Approval for cable gland | ATEX II 2 GD, Ex d IIC /<br>Ex e II / Ex tD A21 IP68,<br>IECEX Ex d IIC / Ex e II |
|--------------------------|-----------------------------------------------------------------------------------|

### General information

|                                   |                                                             |                                   |                                                                      |
|-----------------------------------|-------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------|
| AF size 1                         | 90 mm                                                       | Armour, max.                      | 2.5 mm                                                               |
| Armour, min.                      | 0.3 mm                                                      | Cable gland                       | metric, nickel-plated brass                                          |
| Explosion protection type         | Pressure-resistant Ex d encapsulation, Improved safety Ex e | External thread                   | M 75                                                                 |
| Inner cable diameter, max.        | 62 mm                                                       | Inner cable diameter, min.        | 52.1 mm                                                              |
| Installation guidelines           | See assembly instructions                                   | Length of thread                  | 19 mm                                                                |
| Material                          | Brass, nickel-plated                                        | O-Ring                            | Silicone                                                             |
| Operating temperature range, max. | 180 °C                                                      | Operating temperature range, min. | -60 °C                                                               |
| Outer cable diameter, max.        | 72.2 mm                                                     | Outer cable diameter, min.        | 64.8 mm                                                              |
| Pitch of thread                   | 1.5                                                         | Protection degree with GWDR       | IP 68 - 2.5 bar                                                      |
| Seal insert                       | Silicone                                                    | Sealing                           | NBR                                                                  |
| Size of protective cap            | EL90                                                        | Type of armouring                 | Single-wire armouring,<br>Metal foil armouring,<br>Braided 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) | SIRA05ATEX1285X | Certificate No. (IECEX) | IECEXSIR05.0067X |
|------------------------|-----------------|-------------------------|------------------|

### Product information

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data | <p>&lt;0x2022&gt; &lt;0x0007&gt;All cable glands have a thread pitch of 1.5 mm.</p> <p>&lt;0x2022&gt; &lt;0x0007&gt;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.</p> <p>&lt;0x2022&gt; &lt;0x0007&gt;If the cable glands are installed in non-metallic Ex e connection equipment, these must be connected to the protective earth of the system.</p> <p>&lt;0x2022&gt; &lt;0x0007&gt;The connection cable must be laid securely and inflexibly to rule out tensile stress.</p> |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Approvals

Approvals

GOSTEX IEC EX ATEX

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Cable glands KDSU M75 BS O NI 2 G75S

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

## Technische Daten

### Downloads

PDF

[Notice to Installers](#)