

**KDSW M50 BS O NI 2 G50S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

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 -35°C to +90°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**

|                 |                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version         | KDSW (Klippon double seal SWA Ex cable gland), Cable glands, M 50, 16 mm, Single-wire armouring, 2 - 2.5 mm, OD min. 39.4 - OD max. 46.7 mm, ID min. 31.50 - ID max. 38.20 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated |
| Order No.       | <a href="#">1136550000</a>                                                                                                                                                                                                |
| Type            | KDSW M50 BS O NI 2 G50S                                                                                                                                                                                                   |
| GTIN (EAN)      | 4032248968985                                                                                                                                                                                                             |
| Qty.            | 1 pc(s).                                                                                                                                                                                                                  |
| Available until | 2015-10-30                                                                                                                                                                                                                |

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Length     | 73 mm   | Length (inches) | 2.874 inch |
| Net weight | 1,139 g |                 |            |

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Certificate numbers cable gland**

|                         |                                                                                                                             |                                   |                            |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------|
| Approval conditions     | ATEX, IECEX, EAC                                                                                                            | Certificate No. (ATEX)            | SIRA05ATEX1286X            |
| Certificate No. (IECEX) | IECEXSIR05.0067X                                                                                                            | Certificate no. cable gland (EAC) | RU C-DE.HA65.B.00568<br>20 |
| Identification          | ATEX: II 2G, Ex db IIC Gb,<br>Ex eb IIC Gb, II 1D, Ex ta<br>IIIC Da, IECEX: Ex db IIC<br>Gb, Ex eb IIC Gb, Ex ta IIIC<br>Da |                                   |                            |

**General information**

|                                   |          |                                   |                             |
|-----------------------------------|----------|-----------------------------------|-----------------------------|
| AF size 1                         | 65 mm    | Armour, max.                      | 2.5 mm                      |
| Armour, min.                      | 2 mm     | Cable glands                      | 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 mm                      |
| Protection degree                 | IP54     | Protection degree with GWDR       | IP66, IP68 - 2.5 bar        |
| Seal insert                       | Silicone | Sealing                           | Silicone                    |
| Size of protective cap            | L65      | Type of armouring                 | Single-wire armouring       |
| Type of armouring, short term     | SWA      | Water depth                       | 25 m (30 Min.)              |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000441    | ETIM 7.0    | EC000441    |
| ECLASS 9.0  | 27-14-44-32 | ECLASS 9.1  | 27-14-44-34 |
| ECLASS 10.0 | 27-14-44-32 | ECLASS 11.0 | 27-14-44-32 |

**Approvals**

Approvals



|           |                  |
|-----------|------------------|
| Approvals | EAC; ATEX; IECEX |
| ROHS      | Conform          |

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECESIR05.0067X</a><br><a href="#">SIRA05ATEX1286X</a><br><a href="#">RU C-DE.HA65.B.00568 20</a><br><a href="#">EU Declaration of Conformity - Klippon KDSW cable Gland - DoC DE PS2680 160315 002ISS01</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                     |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                                             |
| User Documentation                          | <a href="#">Notice to Installers</a><br><a href="#">Assembly guidelines</a>                                                                                                                                              |