# KDSW M20 BS O NI 2 G20

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

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, straight, M 20, 16 mm, Single-wire armouring, 0.9 - 1.25 mm, OD min. 15.5 - OD max. 21.1 mm, ID min. 9.30 - ID max. 14.00 mm, IP66, IP68 - 2.5 bar, Brass, nickel-plated |
| Order No. | 1136460000 |
| Type | KDSW M20 BS O NI 2 G20 |
| GTIN (EAN) | 4032248969050 |
| Qty. | 20 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2023-07-30 |
| Alternative product | 1184680000 |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Height | 58 mm | Height (inches) | 2.283 inch |
| Length | 58 mm | Length (inches) | 2.283 inch |
| Net weight | 186 g | | |

### Temperatures

| | |
|---|---|
| Operating temperature | -60 °C...180 °C |

### Certificate numbers cable gland

| | | | |
|---|---|---|---|
| Approval conditions | ATEX, IECEX | Certificate No. (ATEX) | SIRA05ATEX1286X |
| Certificate No. (IECEX) | IECEXSIR05.0067X | Certificate no. cable gland (IECEx) | IECEx CML 19.0109X |
| Identification | ATEX: II 2G, Ex db IIC Gb, Ex eb IIC Gb, II 1D, Ex ta IIIC Da, IECEx: Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da | | |

### General information

| | | | |
|---|---|---|---|
| AF size 1 | 30 mm | AF size 2 | 30 mm |
| Armour, max. | 1.25 mm | Armour, min. | 0.9 mm |
| Cable glands | metric, nickel-plated brass | External thread | M 20 |
| Halogen | No | Inner cable diameter, max. | 14 mm |
| Inner cable diameter, min. | 9.3 mm | Installation guidelines | See assembly instructions |
| Length of thread | 16 mm | Material | Brass, nickel-plated |
| 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 mm | Protection degree | IP54 |
| Protection degree with GWDR | IP66, IP68 - 2.5 bar | Seal insert | Silicone |
| Sealing | Silicone | Size of protective cap | L30 |
| 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 |
| ETIM 8.0 | EC000441 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-14-08-04 | ECLASS 13.0 | 27140804 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 3394d55b-7892-488f-8603-ea218c1d0691 |

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## Technical data

### Approvals

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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | IECEXSIR05.0067X<br>SIRA05ATEX1286X<br>EU Declaration of Conformity - Klippon KDSW cable Gland - DoC DE PS2680 160315 002ISS03 |
| Engineering Data | CAD data – STEP |
| User Documentation | Notice to Installers<br>Assembly guidelines |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE<br>MB PROCESS EN<br>PI KLIPPON CABLE GL EN<br>PI KLIPPON CABLE GL EN |

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## Accessories

### Safety serrated washer



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | SZS M20 | Version |
| Order No. | 1736310000 | SZS (serrated washer), Retaining toothed washers, M 20, Stainless |
| GTIN (EAN) | 4008190963514 | steel 1.4404 (316L) |
| Qty. | 10 pc(s). | |

### Earth tags



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | EA-RING MS/M 20 | Version |
| Order No. | 1736490000 | EA (earthing rings), Earthing ring, Miscellaneous, M 20, Brass, nickel- |
| GTIN (EAN) | 4008190963590 | plated |
| Qty. | 20 pc(s). | |

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## Accessories

### Protective caps



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | KSP L30 | Version |
| Order No. | 1736580000 | KSP (Klippon shroud), Protective cap, PVC |
| GTIN (EAN) | 4008190956233 | |
| Qty. | 10 pc(s). | |

| | | |
|---|---|---|
| Type | KSP L30 S | Version |
| Order No. | 0930700002 | KSP (Klippon shroud), Protective cap, Silicone |
| GTIN (EAN) | 4032248975976 | |
| Qty. | 10 pc(s). | |

### Brass lock nuts, nickel-plated



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | SKMU M20 MS | Version |
| Order No. | 1737000000 | SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated |
| GTIN (EAN) | 4008190956479 | |
| Qty. | 100 pc(s). | |

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## Accessories

### Nylon flat gasket - KSWN



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | KSWN M20 | Version |
| Order No. | 0930730002 | KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6 |
| GTIN (EAN) | 4032248849802 | |
| Qty. | 25 pc(s). | |