

**VG M20 - MS 68****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications.

The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure.

Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

**General ordering data**

|            |                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | VG MS (standard brass cable gland), Cable glands, straight, M 20, 8 mm, OD min. 6 - OD max. 12 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K, Brass, nickel-plated |
| Order No.  | <a href="#">1772220000</a>                                                                                                                                               |
| Type       | VG M20 - MS 68                                                                                                                                                           |
| GTIN (EAN) | 4032248129874                                                                                                                                                            |
| Qty.       | 50 pc(s).                                                                                                                                                                |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Length     | 34.5 mm | Length (inches) | 1.358 inch |
| Net weight | 28.2 g  |                 |            |

## Temperatures

|                             |                 |                             |        |
|-----------------------------|-----------------|-----------------------------|--------|
| Operating temperature       | -40 °C...100 °C | Operating temperature, min. | -40 °C |
| Operating temperature, max. | 100 °C          |                             |        |

## Certificate numbers cable gland

|                                  |                |                                         |          |
|----------------------------------|----------------|-----------------------------------------|----------|
| Approval conditions              | DNV, UL, cULus | Certificate no. cable gland (GERMLLOYD) | E-14047  |
| Certificate no. cable gland (UL) | E-199260       | Certificate no. cable gland (cULus)     | E-199260 |

## General information

|                                     |                                                 |                                     |                                                 |
|-------------------------------------|-------------------------------------------------|-------------------------------------|-------------------------------------------------|
| AF size                             | 22 mm                                           | AF size 1                           | 22 mm                                           |
| AF size 2                           | 22 mm                                           | Cable glands                        | metric, M 20                                    |
| Clamp insert                        | Polyamide                                       | External thread                     | M 20                                            |
| Halogen                             | Yes                                             | Length of thread                    | 8 mm                                            |
| Material                            | Brass, nickel-plated                            | O-Ring                              | NBR                                             |
| Operating temperature range, max.   | 100 °C                                          | Operating temperature range, min.   | -40 °C                                          |
| Outer cable diameter, max.          | 12 mm                                           | Outer cable diameter, min.          | 6 mm                                            |
| Pitch of thread                     | 1.5 mm                                          | Protection degree                   | IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K |
| Protection degree with GWDR         | IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K | Seal insert                         | CR                                              |
| Sealing                             | NBR                                             | Tightening torque                   | 5.5 Nm                                          |
| Torque for cap nut, max.            | 8.5 Nm                                          | Torque for cap nut, min.            | 7.5 Nm                                          |
| Torque for connecting adapter, max. | 6 Nm                                            | Torque for connecting adapter, min. | 5 Nm                                            |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000441    | ETIM 7.0    | EC000441    |
| ETIM 8.0    | EC000441    | ECLASS 9.0  | 27-14-44-32 |
| ECLASS 9.1  | 27-14-44-32 | ECLASS 10.0 | 27-14-44-32 |
| ECLASS 11.0 | 27-14-44-32 | ECLASS 12.0 | 27-14-08-01 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | b5ff1f66-ddba-4739-9fc0-0521ddb52139 |

## Approvals

Approvals



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

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## Technical data

### Downloads

|                                             |                                                                                                                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Declaration of Conformity - Standard brass nickel plated cable gland - DE PS2480 210608 003ISS00</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                     |
| Engineering Data                            | <a href="#">WSCAD, EPLAN</a>                                                                                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                            |
| Brochures                                   |                                                                                                                     |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Polyethylene flat gasket - GWDR PO**

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       | GWDR M20-PO                | Version                                                                |
| Order No.  | <a href="#">1777940000</a> | GWDR PO (flat gasket - polyethylene), Sealing ring, M 20, Polyethylene |
| GTIN (EAN) | 4032248158201              |                                                                        |
| Qty.       | 100 pc(s).                 |                                                                        |

**Neoprene flat gasket - GWDR NP**

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       | GWDR M20-NP                | Version                                                        |
| Order No.  | <a href="#">1736240000</a> | GWDR NP (flat gasket - neoprene), Sealing ring, M 20, Neoprene |
| GTIN (EAN) | 4008190956035              |                                                                |
| Qty.       | 50 pc(s).                  |                                                                |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Brass lock nuts, natural finish**

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 SC             | Version                                             |
| Order No.  | <a href="#">0930640002</a> | SKMU MS (brass locknut), Locknut, M 20, 4 mm, Brass |
| GTIN (EAN) | 4032248849826              |                                                     |
| Qty.       | 50 pc(s).                  |                                                     |

**Vulcanised fibre gasket - KSWF**

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       | KSWF M20                   | Version                                                               |
| Order No.  | <a href="#">0899750000</a> | KSWF (flat gasket - vulcanised fibre), Sealing ring, M 20, Vulcanized |
| GTIN (EAN) | 4032248850174              | fibre                                                                 |
| Qty.       | 25 pc(s).                  |                                                                       |

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[www.weidmueller.com](http://www.weidmueller.com)**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.  | <a href="#">0930730002</a> | KSWN (flat gasket - nylon), Sealing ring, M 20, Nylon 6 |
| GTIN (EAN) | 4032248849802              |                                                         |
| Qty.       | 25 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.  | <a href="#">1737000000</a> | SKMU MS (brass locknut), Locknut, M 20, 3 mm, Brass, nickel-plated |
| GTIN (EAN) | 4008190956479              |                                                                    |
| Qty.       | 100 pc(s).                 |                                                                    |