

**VG M20-1/K68****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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 K (standard plastic cable gland), Cable glands, straight, M 20, 10 mm, OD min. 6 - OD max. 12 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), Polyamide 6 |
| Order No.  | <a href="#">1772300000</a>                                                                                                                                 |
| Type       | VG M20-1/K68                                                                                                                                               |
| GTIN (EAN) | 4032248129966                                                                                                                                              |
| Qty.       | 50 pc(s).                                                                                                                                                  |

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Catalogue status 18.11.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Length     | 39.5 mm | Length (inches) | 1.555 inch |
| Net weight | 10.3 g  |                 |            |

## Temperatures

|                       |                  |
|-----------------------|------------------|
| Operating temperature | -40 °C... 100 °C |
|-----------------------|------------------|

## Certificate numbers cable gland

|                                     |                  |                                  |                  |
|-------------------------------------|------------------|----------------------------------|------------------|
| Approval conditions                 | DNV, UL, cULus   | Certificate no. cable gland (UL) | E-199260 - BM 12 |
| Certificate no. cable gland (cULus) | E-199260 - BM 12 |                                  |                  |

## General information

|                                     |                                          |                                     |                                                                                                                                                   |
|-------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| AF size                             | 24 mm                                    | AF size 1                           | 24 mm                                                                                                                                             |
| Cable glands                        | metric                                   | External thread                     | M 20                                                                                                                                              |
| Halogen                             | Yes                                      | Length of thread                    | 10 mm                                                                                                                                             |
| Material                            |                                          | Note: protection class              | IP66 applications only possible with sealing ring for threaded connections. Without sealing ring for threaded connections, only IP54 is possible. |
|                                     | Polyamide 6                              |                                     |                                                                                                                                                   |
| 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                   | IP67, IP68 - 5 bar (30 min.)                                                                                                                      |
| Protection degree with GWDR         | IP54, IP66, IP67, IP68 - 5 bar (30 min.) | Seal insert                         | CR                                                                                                                                                |
| Silicone                            | No                                       | Standards                           | EN/IEC 62444                                                                                                                                      |
| Tightening torque                   | 3.5 Nm                                   | Torque for cap nut, max.            | 4.5 Nm                                                                                                                                            |
| Torque for cap nut, min.            | 3.5 Nm                                   | Torque for connecting adapter, max. | 4 Nm                                                                                                                                              |
| Torque for connecting adapter, min. | 3 Nm                                     | Torque for lock nut, max.           | 4 N/m                                                                                                                                             |
| Torque for lock nut, min.           | 3 N/m                                    | UL 94 flammability rating           | V-2                                                                                                                                               |

## 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 |

## Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

|                                             |                                                                                                                               |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Declaration of Conformity - Standard plastic cable gland made from Polyamide 6 - DE PS2480 210608 002ISS00</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                      |
| Brochures                                   |                                                                                                                               |