

**VG M20 EXE SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Polyamide cable glands, which are suitable for usage in explosion risk zones Ex e (increased safety) and Ex i (intrinsic safety).

Weidmüller offers a product family without restrictions and besides compliance with standards, the cable gland excels thanks to its increased impact resistance of 4/7 Joule and a possible temperature range down to -60°C without restrictions. They have been tested to the current standard and EN 60079-0 directive, they are ATEX and IECEx certified.

**General ordering data**

|            |                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | VG Exe 4J (Ex plastic cable gland 4J Exe), 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="#">1461140000</a>                                                                                                                                       |
| Type       | VG M20 EXE SW                                                                                                                                                    |
| GTIN (EAN) | 4050118267297                                                                                                                                                    |
| Qty.       | 20 pièce(s)                                                                                                                                                      |

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## Caractéristiques techniques

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Height     | 30 mm  | Height (inches) | 1,181 inch |
| Net weight | 10,9 g |                 |            |

## Temperatures

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40 °C...80 °C |
|-----------------------|----------------|

## Certificate numbers cable gland

|                                     |                    |                                    |                                       |
|-------------------------------------|--------------------|------------------------------------|---------------------------------------|
| Approval conditions                 | ATEX, IECEX        | Certificate no. cable gland (ATEX) | IMQ 13 ATEX 010 X                     |
| Certificate no. cable gland (IECEX) | IECEX IMQ 13.0003X | Identification                     | Ex e IIC Gb, Ex tb IIIC Db<br>IP66/68 |

## General information

|                                   |                                                                                      |                                   |                                             |
|-----------------------------------|--------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------|
| AF size 1                         | 24 mm                                                                                | AF size 2                         | 24 mm                                       |
| Cable glands                      | metric                                                                               | Explosion protection type         | Improved safety Ex e                        |
| External thread                   | M 20                                                                                 | Halogen                           | Yes                                         |
| Impact resistance                 | 4 J ATEX version                                                                     | Installation guidelines           | See assembly instructions                   |
| Length of thread                  | 10 mm                                                                                | Material                          | Polyamide 6                                 |
| Operating temperature range, max. | 80 °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<br>bar (30 min.) |
| Protection degree with GWDR       | IP54, IP66, IP67, IP68 - 5<br>bar (30 min.)                                          | Seal insert                       | CR                                          |
| Standards                         | IEC 60079-0, IEC<br>60079-7, IEC 60079-31,<br>EN 60079-0, EN 60079-7,<br>EN 60079-31 | UL 94 flammability rating         | HB                                          |

## 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 | 27-14-08-02 | ECLASS 13.0 | 27-14-08-02 |
| ECLASS 14.0 | 27-14-08-02 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

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

## Downloads

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |