

**VG M12 EXE 4-6.5 CR7J G4****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 IE-CEx certified.

**General ordering data**

|            |                                                                                                                                                                   |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | VG Exe 7J (Ex plastic cable gland 7J Exe), Cable glands, straight, M 12, 10 mm, OD min. 4 - OD max. 6.5 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), Polyamide 6 |
| Order No.  | <a href="#">2721930000</a>                                                                                                                                        |
| Type       | VG M12 EXE 4-6.5 CR7J G4                                                                                                                                          |
| GTIN (EAN) | 4050118820454                                                                                                                                                     |
| Qty.       | 100 pc(s).                                                                                                                                                        |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Height     | 28.3 mm | Height (inches) | 1.114 inch |
| Length     | 22 mm   | Length (inches) | 0.866 inch |
| Net weight | 4 g     |                 |            |

## Temperatures

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40 °C...70 °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 eb IIC Gb, Ex tb IIIC Db<br>IP66/68 |

## General information

|                                     |                                          |                                     |                                                                             |
|-------------------------------------|------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|
| AF size 1                           | 15 mm                                    | AF size 2                           | 15 mm                                                                       |
| Cable glands                        | metric                                   | Explosion protection type           | Improved safety Ex e                                                        |
| External thread                     | M 12                                     | Halogen                             | Yes                                                                         |
| Impact resistance                   | 7 joules in acc. with IEC 60079-0        | Installation guidelines             | See assembly instructions                                                   |
| Length of thread                    | 10 mm                                    | Material                            | Polyamide 6                                                                 |
| Operating temperature range, max.   | 70 °C                                    | Operating temperature range, min.   | -40 °C                                                                      |
| Outer cable diameter, max.          | 6.5 mm                                   | Outer cable diameter, min.          | 4 mm                                                                        |
| Pitch of thread                     | 1.5 mm                                   | Protection degree                   | IP54, IP66, IP67, IP68 - 5 bar (30 min.)                                    |
| Protection degree with GWDR         | IP54, IP66, IP67, IP68 - 5 bar (30 min.) | Seal insert                         | CR                                                                          |
| Sealing                             | CR                                       | Standards                           | IEC 60079-0, EN 60079-0, IEC 60079-7, EN 60079-7, EN 60079-31, IEC 60079-31 |
| Tightening torque                   | 2 Nm                                     | Torque for cap nut, max.            | 2.5 Nm                                                                      |
| Torque for cap nut, min.            | 1.5 Nm                                   | Torque for connecting adapter, max. | 2.5 Nm                                                                      |
| Torque for connecting adapter, min. | 1.5 Nm                                   | UL 94 flammability rating           | HB                                                                          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000441    | ETIM 7.0    | EC000441    |
| ETIM 8.0    | EC000441    | ETIM 9.0    | EC000441    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 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; INMETRO |
| ROHS      | Conform                       |

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Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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## Technical data

### Downloads

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Plastic lock nuts, black**

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 M12 K SW              | Version                                                           |
| Order No.  | <a href="#">1806540000</a> | SKMU PA (plastic locknut), Locknut, M 12, 5 mm, Polyamid 6 (PA6 - |
| GTIN (EAN) | 4032248276493              | GF30)                                                             |
| Qty.       | 100 pc(s).                 |                                                                   |