

Cable gland, M20, RAL 7035, IP68



Part no. V-M20  
206910  
EL Number 1782275  
(Norway)

|  |  |  |
|--|--|--|
| General specifications                   |  |  |
| Product name                             |  | Eaton xEffect Accessories LV systems Accessories and replacement parts for LV switchgear |
| Part no.                                 |  | V-M20  |
| EAN                                      |  | 4015082069100  |
| Product Length/Depth                     |  | 140 millimetre   |
| Product height                           |  | 85 millimetre  |
| Product width                            |  | 81 millimetre  |
| Product weight                           |  | 0.015 kilogram   |
| Compliances                              |  | RoHS conform   |
| Certifications                           |  | IEC/EN 60947<br>VDE 0660   |
| Product Tradename                        |  | xEffect Accessories  |
| Product Type                             |  | LV systems   |
| Product Sub Type                         |  | Accessories and replacement parts for LV switchgear                                      |
| Catalog Notes                            |  | OBSOLETE SEE SUPERSEDURE   |
| Delivery program                         |  |  |
| Type                                     |  | Accessory<br>General switchboard accessory   |
| Model                                    |  | Straight   |
| Accessory/spare part type                |  | Cable management<br>Cable screw gland  |
| Color                                    |  | Gray   |
| Technical Data - Electrical              |  |  |
| Rated insulation voltage (Ui)            |  | 500 V  |
| Overvoltage category                     |  | III  |
| Pollution degree                         |  | 3  |
| Technical Data - Mechanical              |  |  |
| Unit type                                |  | Single unit  |
| Surface finishing                        |  | RAL 7035, light gray   |
| Surface protection                       |  | Untreated  |
| Nominal thread size Metric/PG            |  | 20   |
| Nominal thread size inch/gas pipe thread |  | Other  |
| Mounting position                        |  | As required  |
| Material                                 |  | Plastic<br>Polyamide<br>Halogen free   |
| Material quality                         |  | Polyamide (PA)   |
| Degree of protection (IP)                |  | IP68   |
| Operating temperature - min              |  | -20 °C   |
| Operating temperature - max              |  | 120 °C   |
| Pitch thread                             |  | 1.5 mm   |
| Type of sealing                          |  | Cut-out ring   |
| Outer cable diameter - min               |  | 6 mm   |
| Outer cable diameter - max               |  | 13 mm  |
| Cable entry type                         |  | M20  |
| Opening diameter                         |  | 20.5 mm  |
| Thread Length                            |  | 10 mm  |
| Thread type                              |  | Metric   |
| Wrench width                             |  | 30 mm  |

|   |  |  |
|---|--|--|
| Suitable for cable diameter - min                               |  | 6 mm   |
| Suitable for cable diameter - max                               |  | 13 mm  |
| Connection to SmartWire-DT                                      |  | No connection to SmartWire-DT  |
| Climatic proofing   |  | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| <b>Design verification as per IEC/EN 61439 - technical data</b> |  |  |
| Temperature resistance  |  | -20 °C - 100 °C, short-time up to approx. 120 °C   |
| Ambient operating temperature - min                             |  | -25 °C   |
| Ambient operating temperature - max                             |  | 70 °C  |
| <b>Additional information</b>                                   |  |  |
| For ex-zone dust  |  | None   |
| For ex-zone gas   |  | None   |
| Fitted with:  |  | Strain Relief<br>Locknut   |
| Flame retardant   |  | Glow wire test 750 °C according to EN 60695-2-11   |
| Flammability characteristics (UL)                               |  | V2 (UL94)  |
| Lamp type included  |  | Halogen Free   |
| NEMA Rating   |  | UL/CSA Type 3R, 4X, 12, 13<br>1  |
| Protection, proofing and resistance                             |  | Shock Resistant  |
| RAL-number  |  | 7035   |
| Special features  |  | Flammability classification V2 according to UL94<br>With lock nut and built-in strain relief<br>With lock nut and built-in strain relief   |
| Stress fracture risk  |  | Low  |
| Used with   |  | Cable glands<br>H05VV-F 2.5 mm <sup>2</sup> (4x) or 4 mm <sup>2</sup> (3x)<br>NYM 1.5 mm <sup>2</sup> (5x) or 2.5 mm <sup>2</sup> (5x)<br>General switchboard accessory<br>Accessory |

## Technical data ETIM 9.0

|  |  |    |                |
|--|--|----|----------------|
| Cable and wire entry systems (EG000009) / Cable gland (EC000441)   |  |    |                |
| Electric engineering, automation, process control engineering / Electrical installation, device / Cable gland / Cable gland (electrical installation) (ecl@ss13-27-14-08-01 [AFR797008]) |  |    |                |
| Thread type  |  |    | Metric         |
| Nominal thread size metric/PG  |  |    | 20             |
| Nominal thread size inch/gas pipe thread   |  |    | Other          |
| Pitch thread   |  | mm | 1.5            |
| Thread length  |  | mm | 10             |
| Wrench width   |  | mm | 30             |
| Hexagon angular dimension  |  | mm | 0              |
| Suitable for cable diameter  |  | mm | 6 - 13         |
| Material   |  |    | Plastic        |
| Material quality   |  |    | Polyamide (PA) |
| Surface protection   |  |    | Untreated      |
| Halogen free   |  |    | Yes            |
| Glass-fibre reinforced   |  |    | No             |
| Degree of protection (IP)  |  |    | IP68           |
| Shock resistant  |  |    | Yes            |
| Colour   |  |    | Grey           |
| RAL-number   |  |    | 7035           |
| Bend radius protection/trumpet flare   |  |    | No             |
| With locknut   |  |    | Yes            |
| Snapping in opening  |  |    | No             |
| Model  |  |    | Straight       |
| Multi seal area  |  |    | No             |
| Flat cable coupling  |  |    | No             |
| With strain relief   |  |    | Yes            |
| Type of sealing  |  |    | Cut-out ring   |

|                          |  |    |           |
|--------------------------|--|----|-----------|
| Separable screw gland    |  |    | No        |
| Operating temperature    |  | °C | -20 - 120 |
| Explosion-tested version |  |    | No        |
| For Ex-zone gas          |  |    | None      |
| For Ex-Zone dust         |  |    | None      |
| For armoured cable       |  |    | No        |
| EMC-version              |  |    | No        |
| Screened                 |  |    | No        |
| Pressure-compensating    |  |    | No        |