





## Technical Specifications

### Product Life Cycle

|               |        |
|---------------|--------|
| Availability: | Active |
|---------------|--------|

### Technical Data

|                                   |   |
|-----------------------------------|---|
| Product Family:                   | Valve Connectors                              |
| Product Sub Family:               | GDM Standard                                  |
| Brand:                            | Hirschmann                                    |
| Connector Type:                   | Field attachable                              |
| Type of Contact / Gender:         | Female  |
| Connector Design:                 | Angled  |
| Number of Pins:                   | 2+PE (PE across cable outlet)                 |
| Coding:                           | A   |
| Shielding:                        | Unshielded                                    |
| Attachment Type:                  | Central Screw                                 |
| Replacement for:                  | ID: 934423003 Name: GDML 2016 LED 120 YE grau |
| Rated Voltage:                    | 120 V   |
| Rated Impulse Voltage:            | 4.0 kV (PCBA 2.0 kV)                          |
| Operating Voltage:                | 110 V AC/DC                                   |
| Rated Current*:                   | 10 A  |
| Contact Resistance:               | ≤ 10 mOhm                                     |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                         |
| Mating Cycles:                    | ≤ 50  |
| Type of Connection:               | Screw   |
| Cable Gland:                      | M16   |
| Conductor Cross Section:          | 0.25 - 1.5 mm <sup>2</sup>                    |
| Suitable Cables:                  | Ø 4.5 - 9 mm                                  |
| Ambient Temperature (Operation)*: | -25°C to +80°C                                |
| Protection Degree / IP Rating**:  | IP65  |
| Design Standard:                  | DIN EN 175301-803-A, ISO 4400                 |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1)         |
| Clearance / Creepage Distance:    | DIN EN 60664-1 (2008/01); VDE 0110-1          |
| Overvoltage Category:             | III acc. to DIN EN 60664-1 (VDE 0110-1)       |

### Materials

|                                      |          |
|--------------------------------------|----------|
| Contact Base Material:               | CuZn     |
| Contact Plating:                     | Cu/Sn    |
| Contact Bearer Material:             | PA GF    |
| Contact Bearer Color:                | Black    |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Housing Material:                    | PA GF    |

|                               |                           |
|-------------------------------|---------------------------|
| Housing Color:                | Translucent               |
| Flammability Class (Housing): | UL 94 HB                  |
| Cable Gland Material:         | PA GF                     |
| Cable Gland Gasket:           | NBR                       |
| Cable Gland Color:            | Black                     |
| Attachment Material:          | Steel, Philips combi slot |
| Gasket Material:              | Sold separately           |

## Protection Circuitry

|                     |            |
|---------------------|------------|
| Function Indicator: | Yellow LED |
|---------------------|------------|

## Additional Technical Data

|                                   |  |
|-----------------------------------|--|
| Fastening Torque (Contact Screw): | (40-50) Ncm for conductor size 0.5 - 1.5 mm <sup>2</sup> ; (30-40) Ncm for conductor size 0.34 mm <sup>2</sup> ; (25-30) Ncm for conductor size 0.25 mm <sup>2</sup> |
| Fastening Torque (Cable Gland):   | (250-375) Ncm  |
| Fastening Torque (Attachment):    | (50-60) Ncm  |

## Approvals

|      |     |
|------|-----|
| VDE: | Yes |
| SEV: | Yes |

## Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

## Notes

|                                     |  |
|-------------------------------------|--|
| Note Derating:                      | Notice derating  |
| Protection Degree / IP Rating Note: | Protection Degree and IP Rating per test standard IEC 60529 using a Hirschmann / Lumberg Automation mating product |
| Note:                               | Do not connect or disconnect under load.   |

## Variants

| Item #    | Item Description | Central Screw              | Gasket              | Packaging                                  | Replacement For                             |
|-----------|------------------|----------------------------|---------------------|--|---|
| 934888019 | GDM21F6-L11-10D  | 1- Steel Screw, Combi Head | 0 - Sold Separately | D - Collect packaging 50 pieces, assembled | ID: 934423002 Name: GDML 2016 LED 120 YE bk |

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