



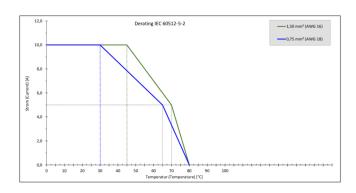
# Product: GDM21F6-L1Y-10D ☑

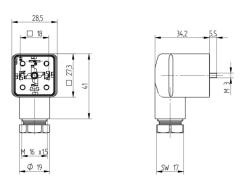
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), transparent housing, screw type, M16; with yellow LED, 230 V AC/DC, 10 A

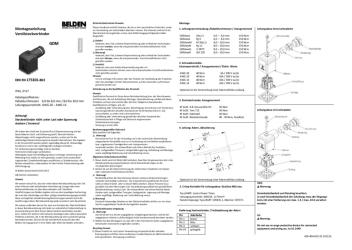
## **Product Description**

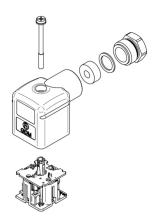
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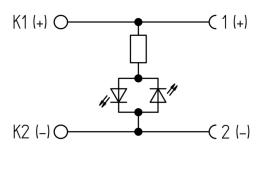
### **Technical Drawing**













# **Technical Specifications**

## **Product Life Cycle**

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

## **Technical Data**

| Product Family:                   | Valve Connectors                              |  |  |  |
|-----------------------------------|---|--|--|--|
| Product Sub Family:               | GDM Standard                                  |  |  |  |
| Brand:                            | Hirschmann                                    |  |  |  |
| Connector Type:                   | ield attachable                               |  |  |  |
| Type of Contact / Gender:         | emale   |  |  |  |
| Connector Design:                 | Angled  |  |  |  |
| Number of Pins:                   | 2+PE (PE across cable outlet)                 |  |  |  |
| Coding:                           | A   |  |  |  |
| Shielding:                        | Unshielded                                    |  |  |  |
| Attachment Type:                  | Central Screw                                 |  |  |  |
| Replacement for:                  | ID: 934425003 Name: GDML 2016 LED 230 YE grau |  |  |  |
| Rated Voltage:                    | 250 V   |  |  |  |
| Rated Impulse Voltage:            | 0 kV (PCBA 2.0 kV)                            |  |  |  |
| Operating Voltage:                | 230 V AC/DC                                   |  |  |  |
| Rated Current*:                   | 10 A  |  |  |  |
| Contact Resistance:               | ≤ 10 mOhm                                     |  |  |  |
| Insulation Resistance:            | > 10^9 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:                | ranslucent                 |  |  |  |
|-------------------------------|----------------------------|--|--|--|
| Flammability Class (Housing): | UL 94 HB                   |  |  |  |
| Cable Gland Material:         | PA GF                      |  |  |  |
| Cable Gland Gasket:           | NBR                        |  |  |  |
| Cable Gland Color:            | Black                      |  |  |  |
| Attachment Material:          | Steel, Phillips 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 mm²; (30-40) Ncm for conductor size 0.34 mm²; (25-30) Ncm for conductor size 0.25 mm² |  |
|--|--|--|
| Fastening Torque (Cable Gland):            | (250-375) Ncm  |  |
| Fastening Torque (Attachment): (50-60) Ncm |  |  |

#### **Approvals**

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

### Safety & Environmental Compliance

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

#### **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                             |
|----------|------------------|-------------------------------|---------------------|--|---|
| 93488802 | GDM21F6-L1Y-10D  | 1- Steel Screw, Combi<br>Head | 0 - Sold Separately | D - Collect packaging 50 pieces, assembled | ID: 934425002 Name: GDML 2016 LED 230 YE bk |

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