

**Product:** [GDML 2016 LED 24 HH YE grey](#)



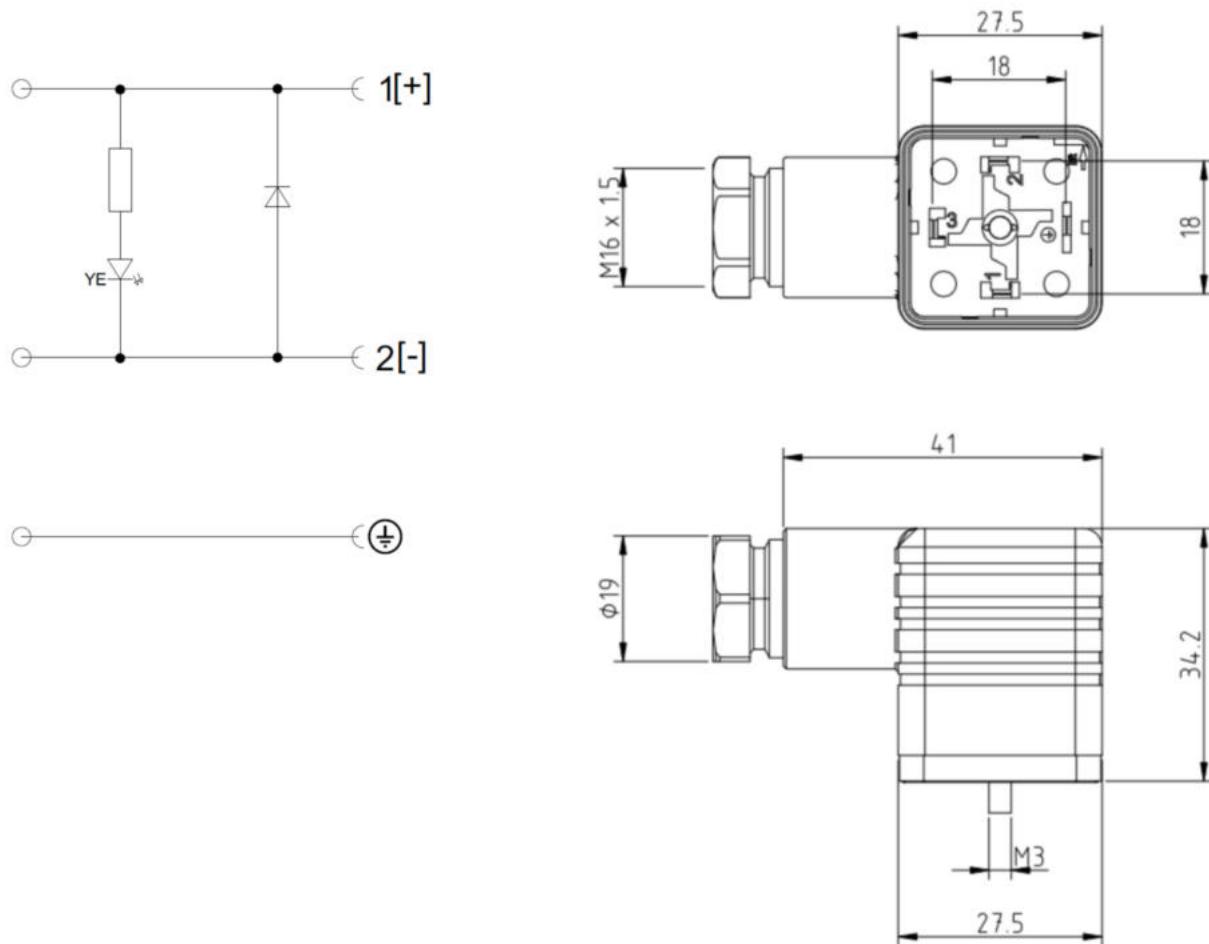
Replaced by: [GDM21L6-D24-10D](#)

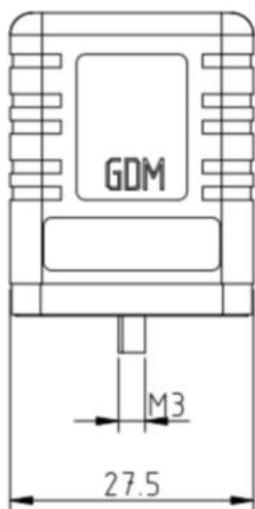
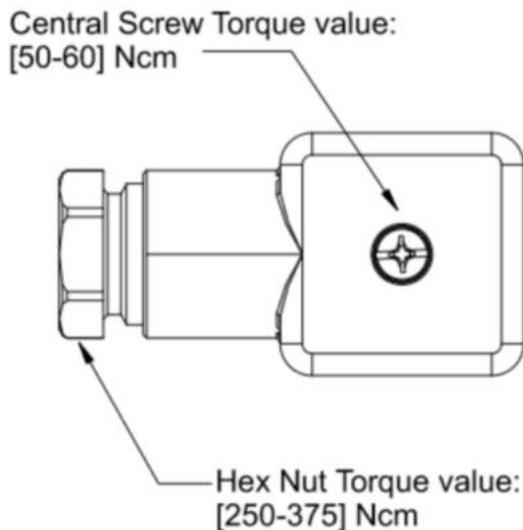
GDM Legacy- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), Translucent Housing, M16 Grey Gland Nut, PCBA with Yellow LED and Recovery Diode, 24V | 8 A, Steel Center Screw, Bulk Packaging

#### Product Description

GDM Legacy- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), Translucent Housing, M16 Grey Gland Nut, PCBA with Yellow LED and Recovery Diode, 24V | 8 A, Steel Center Screw, Bulk Packaging

#### Technical Drawing





## Technical Specifications

### Product Life Cycle

|                     |               |
|---------------------|---------------|
| Availability:       | Last Time Buy |
| Last Order Date:    | 2024-08-02    |
| Last Delivery Date: | 2024-12-31    |

### Technical data

|                           |                               |
|---------------------------|-------------------------------|
| Product Family:           | Valve Connectors              |
| Product Sub Family:       | GDM Legacy                    |
| 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                 |
| Replaced by:              | PF_GDM21L6-D24-10D            |
| Rated Voltage:            | 24 V                          |
| Rated Impulse Voltage:    | 4.0 kV (PCBA 2.0 kV)          |
| Operating Voltage:        | 24 V DC                       |

|                                   |   |
|-----------------------------------|---|
| Rated Current*:                   | 8 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 - 10 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:                   | Grey                      |
| Attachment Material:                 | Steel, Philips combi slot |
| Gasket Material:                     | Sold separately           |

## Protection Circuitry

|                     |            |
|---------------------|------------|
| Function Indicator: | Yellow LED |
| Protective Circuit: | Diode      |

## Additional Technical Data

|                                   |   |
|-----------------------------------|---|
| Fastening Torque (Contact Screw): | (40-50) Ncm for conductor size 0.25 - 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 |

## Variants

| Item #    | Item Description          | Central Screw              | Gasket              | Packaging                                  | Replaced By                         |
|-----------|---------------------------|----------------------------|---------------------|--|-------------------------------------|
| 934416003 | GDML 2016 LED 24 HH YE gy | 1- Steel Screw, Combi Head | 0 - Sold Separately | D - Collect packaging 50 pieces, assembled | ID: 934888184 Name: GDM21L6-D24-10D |

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