



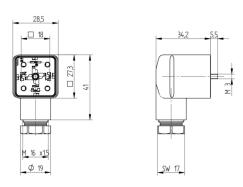
Product: GDM3166-A0U-10F ☑

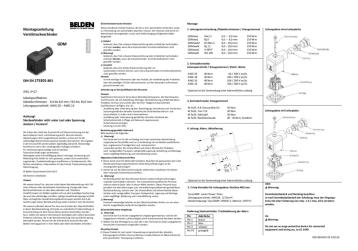
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), grey housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

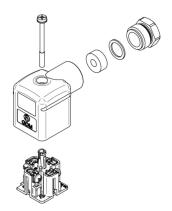
### **Product Description**

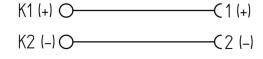
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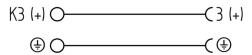
## **Technical Drawing**

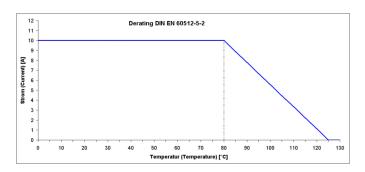












# **Technical Specifications**

## **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:   | 3+PE (PE across cable outlet)                           |  |  |  |
| Coding:   | A   |  |  |  |
| Shielding:  | Unshielded  |  |  |  |
| Attachment Type:  | Central Screw   |  |  |  |
| Replacement for:  | ID: 934395106 Name: GDM 3016 grau                       |  |  |  |
| Rated Impulse Voltage:  | 4.0 kV  |  |  |  |
| Operating Voltage:  | 230 V AC/DC   |  |  |  |
| Rated Current*:   | 16 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 mm²  |  |  |  |
| Suitable Cables:  | Ø 4.5 - 10 mm   |  |  |  |
| Ambient Temperature (Operation)*:                             | -40 °C - +125 °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:                                | 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:                       | Grey                      |  |
| 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           |  |

## **Additional Technical Data**

| Fastening Torque (Contact Screw): | M3: (25-30) Ncm |
|-----------------------------------|-----------------|
| Fastening Torque (Cable Gland):   | (150-200) Ncm   |
| Fastening Torque (Attachment):    | (50-60) Ncm     |

### **Approvals**

| VDE: | yes |
|------|-----|
| SEV: | yes |

## Safety & Environmental Compliance

### **Notes**

| Note Derating:                      | Notice derating  |
|-------------------------------------|--|
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note:                               | Do not connect or disconnect under load.   |

### Variants

|           | Item Description |                               | Gasket              | Packaging                                   | Replacement For                   |
|-----------|------------------|-------------------------------|---------------------|---|-----------------------------------|
| 934888132 | GDM3166-A0U-10F  | 1- Steel Screw, Combi<br>Head | 0 - Sold separately | F - Collect packaging 200 pieces, assembled | ID: 934395106 Name: GDM 3016 grau |

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