



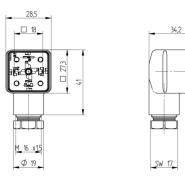
# Product: GDM3106-A0U-10F

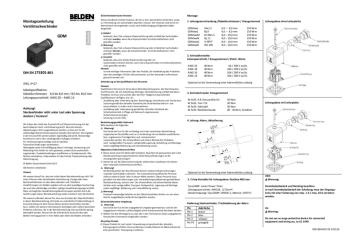
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), black housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

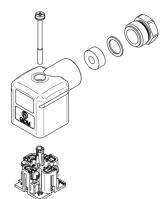
# **Product Description**

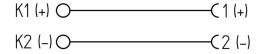
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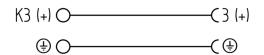
## **Technical Drawing**

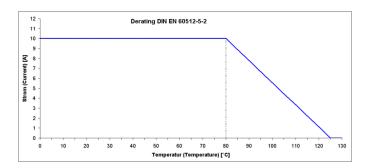












# **Technical Specifications**

## **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: 934395100 Name: GDM 3016 schwarz                         |  |  |
| 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)*: | n)*: -40 °C - +125 °C  |  |  |
| Protection Degree / IP Rating**:  | IP65   |  |  |
| Design Standard:                  | d: DIN EN 175301-803-A, ISO 4400                             |  |  |
| Pollution Degree:                 | Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1)                |  |  |
| Clearance / Creepage Distance:    | ce / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1 |  |  |
| Overvoltage Category:             | vervoltage 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:                       | Black                     |
| 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           |

## **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

| RoHS Compliant:                     | yes   |  |
|-------------------------------------|---|--|
| Notes                               |   |  |
| Note Derating:                      | Notice derating   |  |
| Protection Degree / IP Rating Note: | $^{\star\star}$ only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |  |
| Note:                               | Do not connect or disconnect under load.  |  |

#### Variants

| Item #    | Item Description | Replacement For                      |
|-----------|------------------|--------------------------------------|
| 934888101 | GDM3106-A0U-10F  | ID: 934395100 Name: GDM 3016 schwarz |

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