

Product: GDM2106-D1U-10D ☐

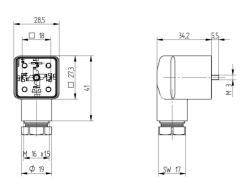


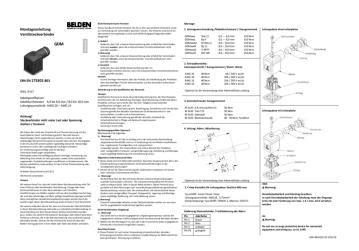
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; with recovery diode, 230 V DC, 10 A

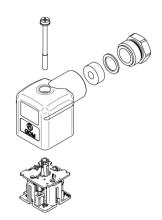
Product Description

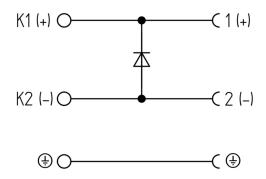
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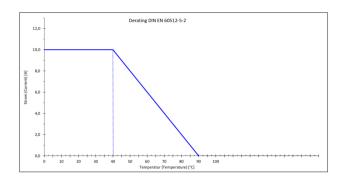
Technical Drawing











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: | 2+PE (PE across cable outlet) | |
| Coding: | A | |
| Shielding: | Unshielded | |
| Attachment Type: | Central Screw | |
| Rated Impulse Voltage: | 4.0 kV (PCBA 2.0 kV) | |
| Operating Voltage: | 230 V 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 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: | 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: | 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 |

Protection Circuitry

| Protective Circuit: | Recovery diode | |
|---------------------|----------------|--|

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: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description |
|-----------|------------------|
| 934888010 | GDM2106-D1U-10D |

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