

Product: GDM31AL-A0U-10F

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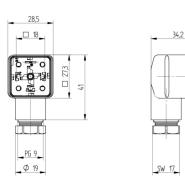


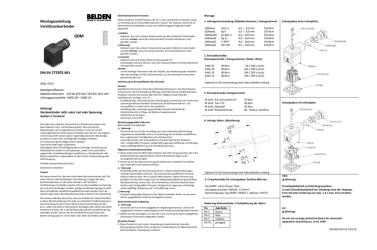
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A

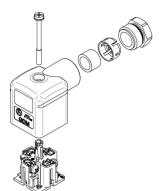
Product Description

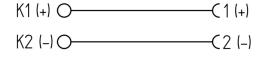
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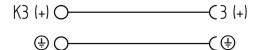
Technical Drawing

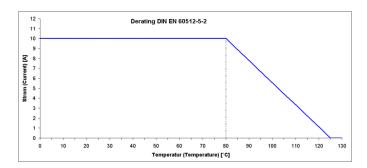












Technical Specifications

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: | 3+PE (PE across cable outlet) | |
| Coding: | A | |
| Shielding: | Unshielded | |
| Attachment Type: | Central Screw | |
| Replacement for: | ID: 932214100 Name: GDM 3009 J SCHWARZ | |
| Rated Voltage (UL): | 300 V | |
| Rated Voltage (CSA): | 300 V | |
| Rated Impulse Voltage: | 4.0 kV | |
| Operating Voltage: | 230 V AC/DC | |
| Rated Current*: | 10 A | |
| Rated Current (UL)*: | 10 A | |
| Rated Current (CSA)*: | 8 A | |
| Contact Resistance: | ≤ 10 mOhm | |
| Insulation Resistance: | > 10^9 Ohm | |
| Mating Cycles: | ≤ 50 | |
| Type of Connection: | Screw | |
| Cable Gland: | PG9 with strain relief | |
| Conductor Cross Section: | 0.25 - 1.5 mm² | |
| Strain-Relief: | Clamping Cage | |
| Suitable Cables: | Ø 6 - 8 mm | |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C | |
| Operating Temperature (UL): | max. + 75 °C | |
| Operating Temperature (CSA): | max. + 75 °C | |
| Protection Degree / IP Rating**: | Degree / IP Rating**: IP65, IP67 | |
| Design Standard: | ndard: 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 (cURus) |
| Flammability Class (Housing): | UL 94 5VA |

| Cable Gland Material: | PA GF | |
|-------------------------|---------------------------|--|
| Cable Gland Gasket: | NBR | |
| Cable Gland Color: | Black | |
| Strain-Relief Material: | elief Material: PA GF | |
| 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

| UL-File: | E315587 | |
|----------|----------------|--|
| UL: | UL 2238; cURus | |
| 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 | Replacement For |
|-----------|------------------|--|
| 934888127 | GDM31AL-A0U-10F | ID: 932214100 Name: GDM 3009 J SCHWARZ |

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