

Product: [GDM31AM-A0U-1KD](#)

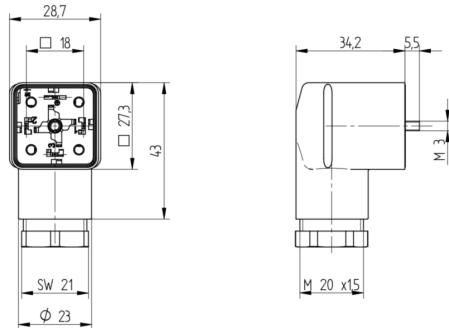
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, M20 with strain relief; without circuitry, 230 V AC/DC, 10 A



Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, M20 with strain relief, without circuitry, 230 V AC/DC, 10 A

Technical Drawing



Montageanleitung
Ventilsteckverbinder

GDM

DIN EN 175303-803

IP65, IP 67

Kabelspezifikation
Kabeldurchmesser: 0,5 bis 8,0 mm / 50 bis 30,2 mm
Kabelart: AWG 20 – AWG 14

Achtung!
Steckverbinder nicht unter Last oder Spannung stecken / remove!

Mit diesen Daten wird die Steckverbinder auf Übereinstimmung mit den Anforderungen nach IEC 60309 geprüft. Bei Nicht-Einstimmung ist die Verwendung des Steckverbinders nicht zulässig. Bei Nicht-Einstimmung ist die Verwendung des Steckverbinders nicht zulässig. Bei Nicht-Einstimmung ist die Verwendung des Steckverbinders nicht zulässig.

Warnung!
Bei Verwendung des Steckverbinders ist die Verwendung des Steckverbinders nicht zulässig. Bei Nicht-Einstimmung ist die Verwendung des Steckverbinders nicht zulässig. Bei Nicht-Einstimmung ist die Verwendung des Steckverbinders nicht zulässig.

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Technische Merkmale

Steckverbinder nach IEC 60309, die in der Steckverbinder-Serie sind, sind an der Verbindung mit dem Steckverbinder nach IEC 60309. Die Steckverbinder sind nach IEC 60309. Die Steckverbinder sind nach IEC 60309.

1. Leistungseigenschaft / Steckverbinder / Anordnung

| Steckverbinder | Steckverbinder | Steckverbinder | Steckverbinder |
|----------------|----------------|----------------|----------------|
| GDM31 | 10 A | 0,5 – 8,0 mm | 10 A |
| GDM32 | 16 A | 0,5 – 8,0 mm | 16 A |
| GDM33 | 25 A | 0,5 – 8,0 mm | 25 A |
| GDM34 | 32 A | 0,5 – 8,0 mm | 32 A |
| GDM35 | 40 A | 0,5 – 8,0 mm | 40 A |
| GDM36 | 50 A | 0,5 – 8,0 mm | 50 A |
| GDM37 | 63 A | 0,5 – 8,0 mm | 63 A |
| GDM38 | 80 A | 0,5 – 8,0 mm | 80 A |
| GDM39 | 100 A | 0,5 – 8,0 mm | 100 A |

2. Technische Merkmale / Steckverbinder / Anordnung / Steckverbinder

| Steckverbinder | Steckverbinder | Steckverbinder | Steckverbinder |
|----------------|----------------|-----------------------|----------------|
| AWG 20 | 40 Nm | 64 / 500 V a.c./d.c. | 10 A |
| AWG 22 | 40 Nm | 100 / 500 V a.c./d.c. | 16 A |
| AWG 24 | 40 Nm | 100 / 500 V a.c./d.c. | 25 A |
| AWG 26 | 40 Nm | 100 / 500 V a.c./d.c. | 32 A |
| AWG 28 | 40 Nm | 100 / 500 V a.c./d.c. | 40 A |
| AWG 30 | 40 Nm | 100 / 500 V a.c./d.c. | 50 A |
| AWG 32 | 40 Nm | 100 / 500 V a.c./d.c. | 63 A |
| AWG 34 | 40 Nm | 100 / 500 V a.c./d.c. | 80 A |
| AWG 36 | 40 Nm | 100 / 500 V a.c./d.c. | 100 A |

3. Technische Merkmale / Steckverbinder / Anordnung / Steckverbinder

| Steckverbinder | Steckverbinder | Steckverbinder | Steckverbinder |
|----------------|----------------|-----------------------|----------------|
| AWG 20 | 40 Nm | 64 / 500 V a.c./d.c. | 10 A |
| AWG 22 | 40 Nm | 100 / 500 V a.c./d.c. | 16 A |
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| AWG 26 | 40 Nm | 100 / 500 V a.c./d.c. | 32 A |
| AWG 28 | 40 Nm | 100 / 500 V a.c./d.c. | 40 A |
| AWG 30 | 40 Nm | 100 / 500 V a.c./d.c. | 50 A |
| AWG 32 | 40 Nm | 100 / 500 V a.c./d.c. | 63 A |
| AWG 34 | 40 Nm | 100 / 500 V a.c./d.c. | 80 A |
| AWG 36 | 40 Nm | 100 / 500 V a.c./d.c. | 100 A |

4. Leistung: Adress, Adressierung

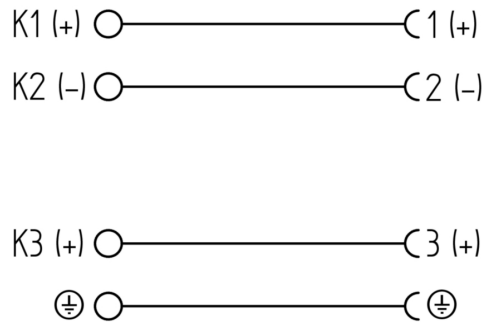
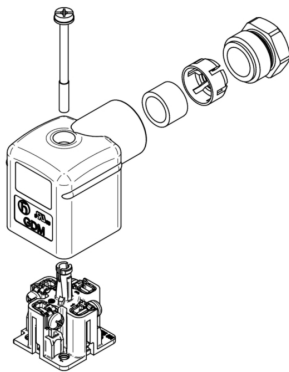
Option: 10 A, 16 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A

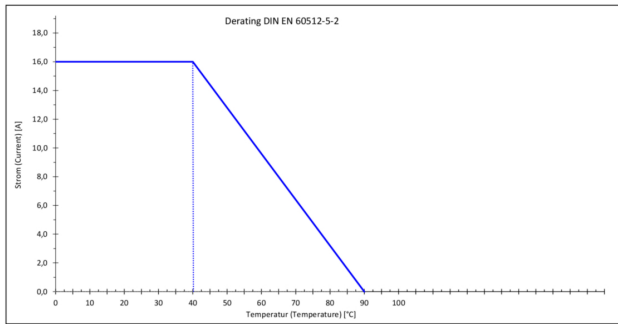
5. Steckverbinder für Steckverbinder Steckverbinder Steckverbinder

Option: 10 A, 16 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A

6. Steckverbinder für Steckverbinder Steckverbinder Steckverbinder

Option: 10 A, 16 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A





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 |
| 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: | M20 with strain relief |
| Conductor Cross Section: | 0.25 - 1.5 mm² |
| Strain-Relief: | Clamping Cage |
| Suitable Cables: | Ø 8 - 10 mm |
| Ambient Temperature (Operation)*: | -40 °C - +125 °C |
| Operating Temperature (UL): | max. + 75 °C |
| Operating Temperature (CSA): | max. + 75 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| 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 (cURus) |
| Flammability Class (Housing): | UL 94 5VA |
| Cable Gland Material: | PA GF |
| Cable Gland Gasket: | NBR |
| Cable Gland Color: | Black |
| Strain-Relief Material: | PA GF |
| Attachment Material: | Steel, Philips combi slot |
| Gasket Material: | NBR Captive |

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 |
|--------|------------------|
| 18061 | GDM31AM-A0U-1KD |

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