

**Product: [GDM21AL-AOU-1KK](#)**

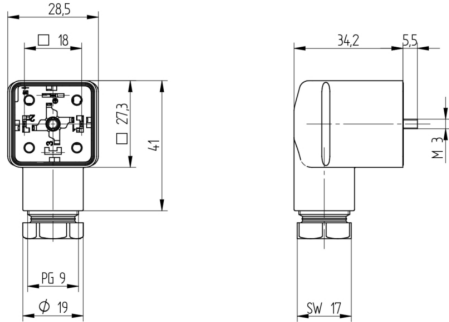
**GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A**



**Product Description**

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief, without circuitry, 230 V AC/DC, 10 A

**Technical Drawing**



**Montageanleitung Ventillöseneinrichter**

**BELDEN**

**GDM**

**DIN EN 175305-803**

**PG9, 10/67**

**Kabelspezifikation**  
Kabeldurchmesser: 0,5 bis 0,8 mm (SG) bis SG 20-mm  
Kabelart: AWG 20 – AWG 14

**Achtung!**  
Stecker/Einrichter nicht unter Last oder Spannung stecken / trennen!

**Einbauhinweise**

**Wichtig**

**1. Montage**

**2. Schraubbohrer / Anpressen / Elektr. Werte**

**3. Einbaubereich-Anpassung**

**4. Leitung Adern, Abblöderung**

**Optionen**

**Kabelspezifikation / Festlegung der Adern**

Pin	Adern
Pin 1	120
Pin 2	120
Pin 3	120
Pin 4	grün/weiß

**1. Leistungseinstellung, Kabelauslassform / Anpassung**

GDMcode	SG – SG mm	10/67 mm
GDMcode	0,5 – 0,8 mm	10/67 mm
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**2. Schraubbohrer / Anpressen / Elektr. Werte**

AWG	10/67 mm	64 / 300 V a.u.f.0
AWG 20	40 Ncm	55 / 300 V a.u.f.0
AWG 18	40 Ncm	55 / 300 V a.u.f.0
AWG 16	40 Ncm	55 / 300 V a.u.f.0
AWG 14	40 Ncm	55 / 300 V a.u.f.0

**3. Einbaubereich-Anpassung**

M	SG – SG mm	10/67 mm
M 30/1	4,5	10/67 mm
M 30/2	5,0	10/67 mm
M 30/3	5,5	10/67 mm
M 30/4	6,0	10/67 mm

**4. Leitung Adern, Abblöderung**

**Optionen**

**1. Leistungseinstellung, Kabelauslassform / Anpassung**

**2. Schraubbohrer / Anpressen / Elektr. Werte**

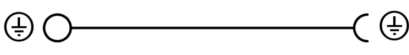
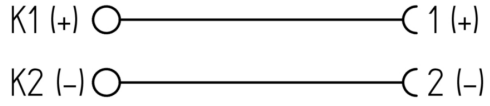
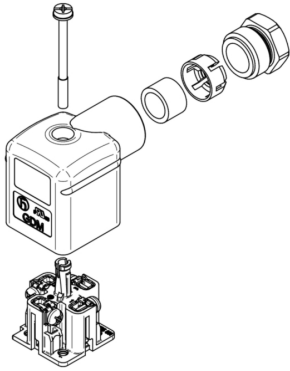
**3. Einbaubereich-Anpassung**

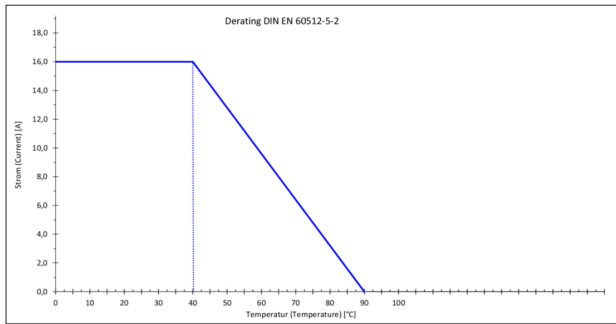
**4. Leitung Adern, Abblöderung**

**Optionen**

**Kabelspezifikation / Festlegung der Adern**

Pin	Adern
Pin 1	120
Pin 2	120
Pin 3	120
Pin 4	grün/weiß





## 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 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 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG9 with strain relief
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>
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**:	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, Phillips combi slot
Gasket Material:	NBR Captive

### Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.25 - 1.5 mm <sup>2</sup> ; (30-40) Ncm for conductor size 0.34 mm <sup>2</sup> ; (25-30) Ncm for conductor size 0.25 mm <sup>2</sup>
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
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### 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
15455	GDM21AL-A0U-1KK

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