

**Product:** [GDM21AL-AOU-10E](#)

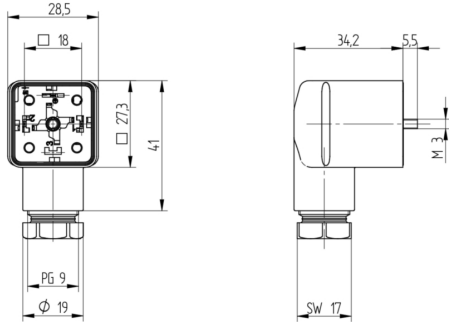


**GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A**

**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**



DIN EN 175305-803

PG9, 10/7

Kabelquerschnitt: 0,5-0,85 mm<sup>2</sup> (SG) bis 30,0 mm<sup>2</sup> (LH) (Leitungsquerschnitt: AWG 20 – AWG 14)

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

Wir haben den Kontakt für Ihre Rückmeldung auf Übersetzung mit der...  
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**BELDEN**

**Sicherheitsrelevante Hinweise**

Bitte beachten Sie, dass die Verwendung von...  
 Die Steckverbinder sind nicht unter Last oder Spannung stecken / remove!

**1. Liefergarantie**

Die Steckverbinder sind nicht unter Last oder Spannung stecken / remove!

**2. Technische Daten**

Umspannungsbereich / Anspannung / Elektr. Werte	Umspannungsbereich / Anspannung / Elektr. Werte
ANS 20: 40 Nm	64 / 300 V a.c./d.c.
ANS 22: 40 Nm	250 / 300 V a.c./d.c.
ANS 24: 40 Nm	500 / 300 V a.c./d.c.
ANS 26: 40 Nm	1000 / 300 V a.c./d.c.

**3. Dimensionen**

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**4. Montagehinweise**

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**2. Technische Daten**

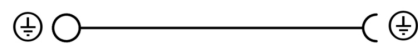
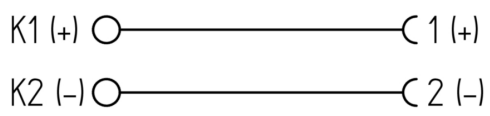
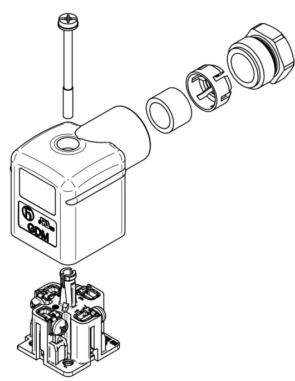
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**4. Montagehinweise**

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## 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
Replacement for:	ID: 931236106 Name: GDM 2009 J GRAU ( Black Housing instead of Grey )
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, 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
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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	Replacement For
934888112	GDM21AL-A0U-10F	ID: 931236106 Name: GDM 2009 J GRAU ( Black Housing instead of Grey )

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