

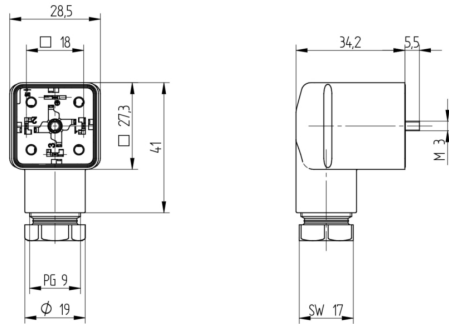
Product: [GDM3109-A0U-10F](#)

GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 3 Pole+Ground (Protective Earth), PG9, Black Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

Product Description

GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 3 Pole+Ground (Protective Earth), PG9, Black Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

Technical Drawing



Montageanleitung
Ventilsteckverbinder

GDM

DIN EN 175301-803

IP65, IP67

Kabelfunktion: 0,5 Nm bis 0,6 Nm (50 bis 55 mm)
Kabelfunktion: AWG 20 – AWG 14

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

Mit diesen Daten wird die Steckverbinder auf Übereinstimmung mit den entsprechenden Daten und Normen geprüft. Dieser Steckverbinder ist nicht für andere Zwecke geeignet. Die Verwendung ist nur für die angegebenen Zwecke geeignet. Die Verwendung ist nur für die angegebenen Zwecke geeignet. Die Verwendung ist nur für die angegebenen Zwecke geeignet.

Warnung!
Bei Verwendung des Steckverbinders ist die Einhaltung der folgenden Vorschriften zu beachten: ...

1. Leistungsübertragung, Kabelkategorie / Anzeigensystem

Kategorie	Steckverbinder	Steckverbinder	Steckverbinder
1000 MHz	1000 MHz	1000 MHz	1000 MHz
1000 MHz	1000 MHz	1000 MHz	1000 MHz
1000 MHz	1000 MHz	1000 MHz	1000 MHz
1000 MHz	1000 MHz	1000 MHz	1000 MHz

2. Steckverbinder / Anzeigensystem / Elektr. Werte

Steckverbinder	Anzeigensystem	Elektr. Werte
AWG 20	40 Nm	64 / 500 V a.c./V
AWG 22	40 Nm	100 / 500 V a.c./V
AWG 24	40 Nm	100 / 500 V a.c./V
AWG 26	40 Nm	100 / 500 V a.c./V

3. Steckverbinder / Anzeigensystem

Steckverbinder	Anzeigensystem
AWG 20	40 Nm
AWG 22	40 Nm
AWG 24	40 Nm
AWG 26	40 Nm

4. Leistung, Adress, Adressierung

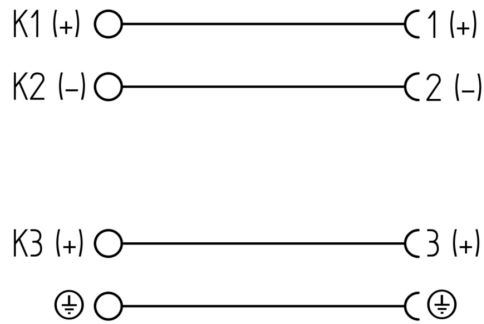
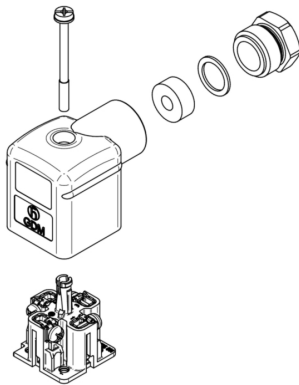
Optionen für die Verwendung einer Adressierung:

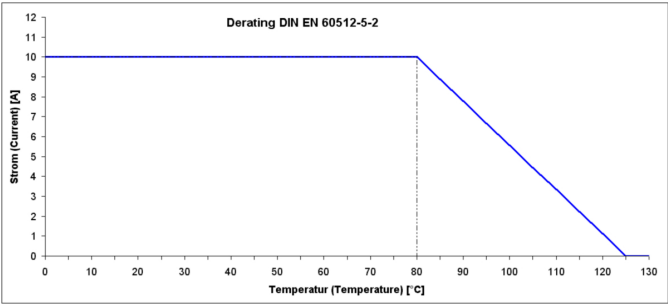
5. Steckverbinder / Anzeigensystem

Optionen für die Verwendung einer Adressierung:

6. Steckverbinder / Anzeigensystem

Optionen für die Verwendung einer Adressierung:





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: 931969100 Name: GDM 3009 schwarz
Rated Voltage:	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG9
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 9 mm
Ambient Temperature (Operation)*:	-40°C to +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

Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.5 - 1.5 mm²; (30-40) Ncm for conductor size 0.38-0.34 mm²; (25-30) Ncm for conductor size 0.25 mm²
Fastening Torque (Cable Gland):	(250-375) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

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	Central Screw	Gasket	Packaging	Replacement For
934888105	GDM3109-A0U-10F	1- SteelScrew, Combi Head	0 - Sold Seperately	F - Collect packaging 200 pieces, assembled	ID: 931969100 Name: GDM 3009 black

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