

**Product: [GDM2106-D1U-10D](#)**

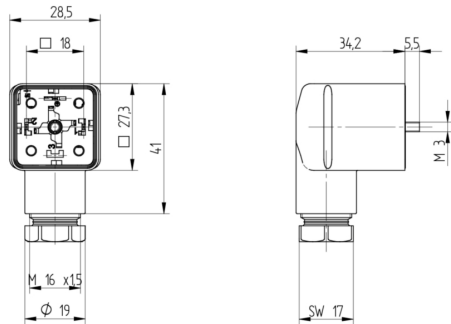


**GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; with recovery diode, 230 V DC, 10 A**

**Product Description**

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; with recovery diode, 230 V DC, 10 A

**Technical Drawing**



**PHS 07 67**  
Kategoriekennung: 0,5 bis 0,8 mm (0,2 bis 0,3 mm) Leiterquerschnitte AWG 20 - AWG 14  
**Achtung!** Steckverbinder nicht unter Last oder Spannung stecken / remove!

**Einbauhinweise:**  
1. Die Kontakte sind für die Montage mit einem Schraubenschlüssel zu öffnen. Die Kontakte sind für die Montage mit einem Schraubenschlüssel zu öffnen. Die Kontakte sind für die Montage mit einem Schraubenschlüssel zu öffnen.

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**Montage**

**1. Leiterquerschnitte / Kabelquerschnitte / Anpressdruck**

GDM206	0,5 - 0,8 mm	100 N
GDM208	0,5 - 0,8 mm	100 N
GDM210	0,5 - 0,8 mm	100 N
GDM212	0,5 - 0,8 mm	100 N
GDM214	0,5 - 0,8 mm	100 N

**2. Schutzschichten / Umarmerschicht / Anpressdruck / Elektr. Werte**

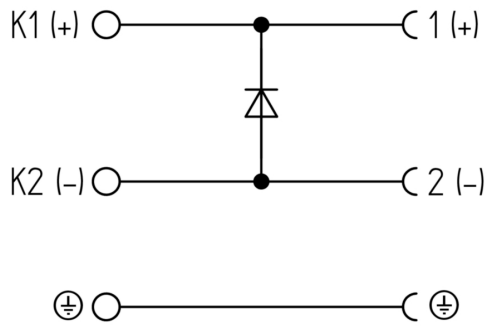
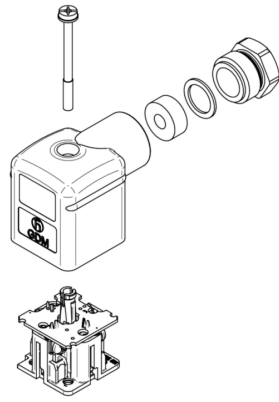
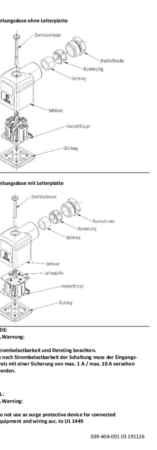
AWG 20	40 Nm	64 / 300 V a.c./d.c.
AWG 22	40 Nm	100 / 300 V a.c./d.c.
AWG 24	40 Nm	150 / 300 V a.c./d.c.
AWG 26	40 Nm	200 / 300 V a.c./d.c.

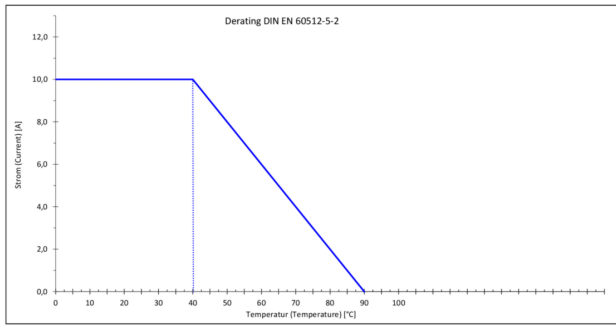
**3. Einbaueinstellungen / Anpressdruck**

M 3x6	4,5	10 Nm
M 3x8	7,5	10 Nm
M 3x10	10,5	10 Nm
M 3x12	13,5	10 Nm

**4. Leitung Adern, Abblende**

Die Adern sind für die Montage mit einem Schraubenschlüssel zu öffnen. Die Adern sind für die Montage mit einem Schraubenschlüssel zu öffnen. Die Adern sind für die Montage mit einem Schraubenschlüssel zu öffnen.





## 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 Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	230 V DC
Rated Current*:	10 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>
Suitable Cables:	Ø 4.5 - 10 mm
Ambient Temperature (Operation)*:	-40 °C - +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

## Protection Circuitry

Protective Circuit:	Recovery diode
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## 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

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
934888010	GDM2106-D1U-10D

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