

Product: [GDM21FA-D28-10D](#)

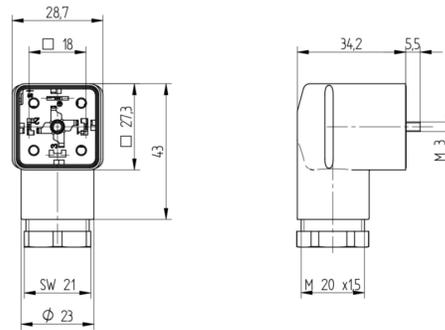
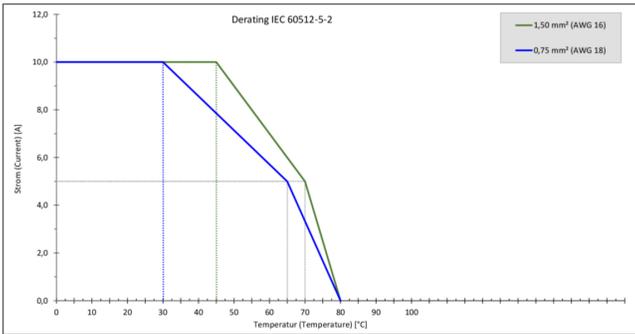


GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), transparent housing, screw type, M20; with recovery diode and yellow LED, 48 V DC, 10 A

Product Description

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Technical Drawing



Montageanleitung
VENTILSTEUERUNG
GDM

DIN EN 175305-803

PEL, IP 67

Kabelkanallänge: 6,0 bis 8,0 mm / 8,0 bis 30,0 mm
Leitungsquerschnitt: AWG 20 – AWG 14

Achtung!
Nicht einbauen, wenn die Leiter unter Last oder Spannung stecken / versenken!

Bei Fehler den Stecker aus der Steckdose ziehen und die Installation nicht selbstständig reparieren. Bei Schäden oder Beschädigungen sofort einen Fachmann kontaktieren. Die Reparatur darf nur durch einen qualifizierten Fachmann durchgeführt werden. Bei Beschädigungen oder Schäden an den Kabeln oder den Kabelkanälen sofort einen Fachmann kontaktieren. Die Reparatur darf nur durch einen qualifizierten Fachmann durchgeführt werden. Bei Beschädigungen oder Schäden an den Kabeln oder den Kabelkanälen sofort einen Fachmann kontaktieren. Die Reparatur darf nur durch einen qualifizierten Fachmann durchgeführt werden.

1. Leitungsbeurteilung / Kabelkanallänge / Anzeigensystem

GDM200	3x0,5	0,5 – 0,5 mm	100 Nm
GDM200	Tg 9	0,5 – 0,5 mm	100 Nm
GDM200	M 2x0,5	0,5 – 0,5 mm	100 Nm
GDM200	Tg 11	0,5 – 0,5 mm	100 Nm
GDM200	3x0,75	0,5 – 0,5 mm	100 Nm
GDM200	0x0,20	0,5 – 0,5 mm	100 Nm

2. Schraubkabel / Leiterquerschnitt / Anzeigensystem / Farbe / Marke

AWG 20	40 Nm	6A / 300 V AC/DC	
AWG 18	40 Nm	10A / 300 V AC/DC	
AWG 16	40 Nm	16A / 300 V AC/DC	
AWG 14	40 Nm	25A / 300 V AC/DC	

3. Zentraleinbaueinrichtung

M 2x0,5	40 Nm	10 Nm
M 2x0,5	40 Nm	10 Nm
M 2x0,5	40 Nm	10 Nm
M 2x0,5	40 Nm	10 Nm

4. Leitungsführung

Die Leitungsführung muss so erfolgen, dass die Kabel nicht durch die Steckdose gezogen werden können. Die Leitungsführung muss so erfolgen, dass die Kabel nicht durch die Steckdose gezogen werden können. Die Leitungsführung muss so erfolgen, dass die Kabel nicht durch die Steckdose gezogen werden können.

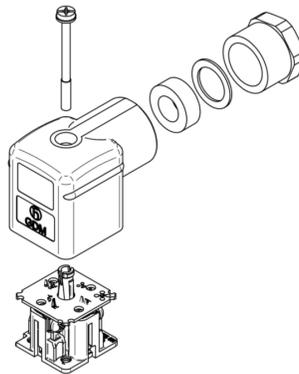
5. C-Steck Kontakte für Leitungen: Gehäuse M20 etc.

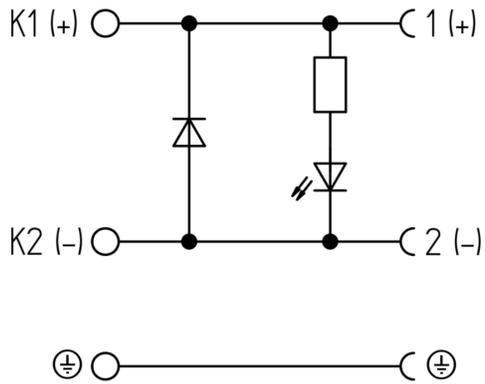
Leitungsquerschnitt: AWG 20 – AWG 14
Handlungsanleitung: GDM200, GDM200

6. Warnung
Stromschlaggefahr und Brandgefahr. In nicht bestimmungsgemäßer Weise der Steckdose kann mit einer Leistung von max. 1,4 A / max. 10 W verbunden werden.

7. Achtung
Do not use as surge protective device for connected equipment and wiring up to 10 kV (UL817)

009-008-00-010126





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:	48 V DC
Rated Current*:	10 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M20
Conductor Cross Section:	0.25 - 1.5 mm ²
Suitable Cables:	Ø 4.5 - 11 mm
Ambient Temperature (Operation)*:	-25°C to +80°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:	Translucent
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

Function Indicator:	Yellow LED
Protective Circuit:	Recovery diode

Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.25 - 1.5 mm ² ; (30-40) Ncm for conductor size 0.34 mm ² ; (25-30) Ncm for conductor size 0.25 mm ²
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
934888048	GDM21FA-D28-10D

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