

Product: [GDM21FA-S44-10D](#)

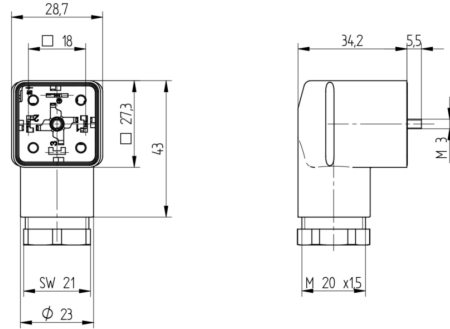
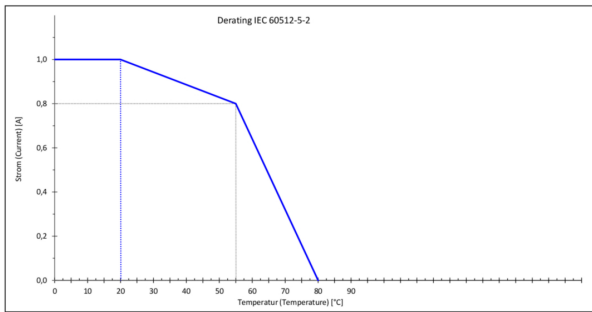


GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), transparent housing, screw type, M20; with bridge rectifier, supressor diode and yellow LED, 24 V AC/DC, 1 A

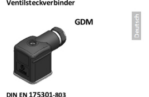
Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), transparent housing, screw type, M20; with bridge rectifier, supressor diode and yellow LED, 24 V AC/DC, 1 A

Technical Drawing



Montageanleitung
Ventilsteckverbinder



DIN EN 175305-803
PEL, IP 67
Kabeldurchmesser: 6,0 bis 8,0 mm / 8,0 bis 10,0 mm
Leitungsquerschnitt: AWG 20 – AWG 14

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

Bei Fehler des Steckschalters auf Überstromschutz und der Hochstromsicherung zu achten. Bei Überstromschutz vor dem Stecken oder Trennen des Steckers zu prüfen, ob die Hochstromsicherung nicht durch den Stecker ausgelöst wird. Bei Überstromschutz vor dem Stecken oder Trennen des Steckers zu prüfen, ob die Hochstromsicherung nicht durch den Stecker ausgelöst wird.

Bei Überstromschutz vor dem Stecken oder Trennen des Steckers zu prüfen, ob die Hochstromsicherung nicht durch den Stecker ausgelöst wird.

Technische Zeichnung

1. Leitungsbezeichnung / Kabelnummer / Anzeigensystem

GDM200	3x0,5	0,5 – 0,5 mm	150 Nm
GDM200	3x1	0,5 – 0,5 mm	150 Nm
GDM200	M 2x0,5	0,5 – 0,5 mm	150 Nm
GDM200	PE 1,1	0,5 – 0,5 mm	150 Nm
GDM200	3x1,1	0,5 – 0,5 mm	150 Nm
GDM200	3x1,1	0,5 – 0,5 mm	150 Nm

2. Schutzkategorie / Anzeigensystem / Farbe: Marke

AWG 20	40 Nm	5A / 300 V AC/DC
AWG 18	40 Nm	5A / 300 V AC/DC
AWG 16	40 Nm	5A / 300 V AC/DC
AWG 14	40 Nm	5A / 300 V AC/DC

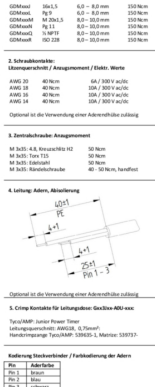
3. Zentraleinheit / Anzeigensystem

M 2x0,5	40 Nm	5A / 300 V AC/DC
M 2x0,5	40 Nm	5A / 300 V AC/DC
M 2x0,5	40 Nm	5A / 300 V AC/DC
M 2x0,5	40 Nm	5A / 300 V AC/DC

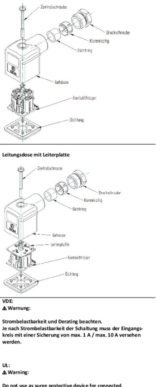
4. Leitung Art, Abmessung

AWG 20 40 Nm 5A / 300 V AC/DC
AWG 18 40 Nm 5A / 300 V AC/DC
AWG 16 40 Nm 5A / 300 V AC/DC
AWG 14 40 Nm 5A / 300 V AC/DC

Leitungsbezeichnung



Leitungsbezeichnung



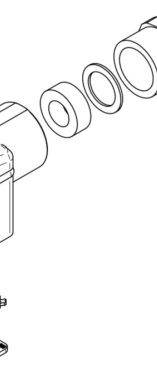
Leitungsbezeichnung



Leitungsbezeichnung



Leitungsbezeichnung



Leitungsbezeichnung

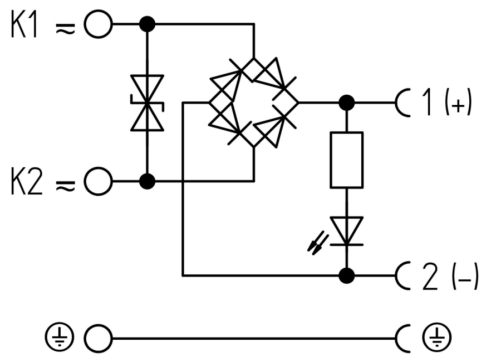


Leitungsbezeichnung



Leitungsbezeichnung





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:	24 V AC/DC
Rated Current*:	1 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
Bridge Rectifier:	yes
Protective Circuit:	Supressor diode

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

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
934888065	GDM21FA-S44-10D

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