

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

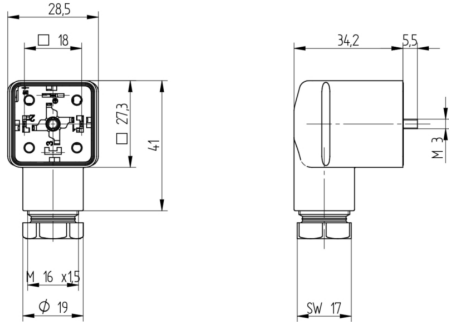
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; with recovery diode, 230 V DC, 10 A



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



Montageanleitung Ventillösventilrührer

BELDEN

GDM

DIN EN 175305-803

PHS, IP 67

Kabelspezifikation
Kabeldurchmesser: 0,5 bis 0,8 mm (SD) bis 30,0 mm
Leitungsart: AWG 20 - AWG 14

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

Wichtige Hinweise

Bitte beachten Sie unbedingt, die Teile in ihrer ursprünglichen Reihenfolge, sowie die Montageart und die Reihenfolge beachten müssen. Die Montage und die Reihenfolge beachten müssen und sind für die Montage und die Reihenfolge beachten müssen.

1. Leittypenbezeichnung, Kabelkennzeichen / Anzeigensystem

GDM206	20 x 5	0,5 - 0,8 mm	10 A/10 W
GDM208	20 x 8	0,5 - 0,8 mm	10 A/10 W
GDM210	20 x 10	0,5 - 0,8 mm	10 A/10 W
GDM212	20 x 12	0,5 - 0,8 mm	10 A/10 W
GDM214	20 x 14	0,5 - 0,8 mm	10 A/10 W
GDM216	20 x 16	0,5 - 0,8 mm	10 A/10 W
GDM218	20 x 18	0,5 - 0,8 mm	10 A/10 W

2. Schutzkategorie, Überspannungskategorie / 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. Betriebskategorie-Angebot

M 300: 4,5	Reichweite: 10	10 Nm
M 300: 5	Reichweite: 10	10 Nm
M 300: 6	Reichweite: 10	10 Nm
M 300: 7	Reichweite: 10	10 Nm
M 300: 8	Reichweite: 10	10 Nm

4. Leistung, Adress, Adressierung

Optionen für die Verwendung einer Adressierlösung

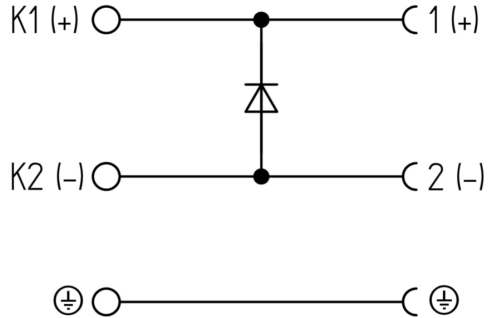
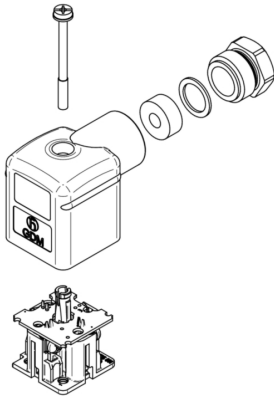
VDE

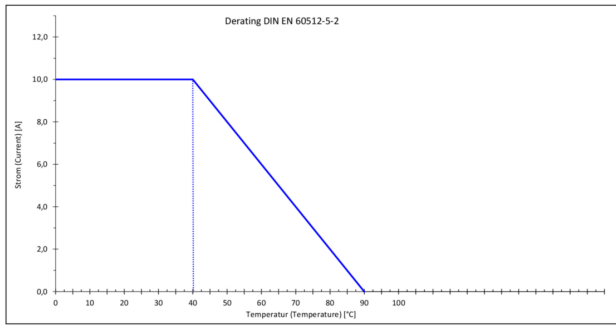
IP 67

Steuerbarkeit und Driftung beachten.
In allen Betriebsarten der Steuerspannung der Driftung, wenn eine Überstromschutz ist, 3 A / 10 A, 10 A / 10 A sein muss.

Do not use as surge protective device for connected equipment according to IEC 61643

100 000 001 01 191116





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 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm ²
Suitable Cables:	Ø 4.5 - 9 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):	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
934888010	GDM2106-D1U-10D

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