

Product: [GDM2106-A0U-10F](#)

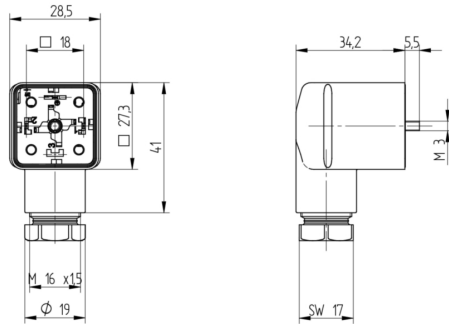


GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

Technical Drawing



Montageanleitung
Ventilsteckverbinder

GDM

DIN EN 175301-803

IP65, IP 67

Kabelquerschnitt: 0,5 bis 6,0 mm² (50 bis 102,5 mm²)
Kabelart: AWG 20 – AWG 14

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

Bei Installation des Steckverbinders auf Überlappung mit der Steckverbinder-Hülse achten. Bei Überlappung der Steckverbinder-Hülse mit der Steckverbinder-Hülse ist die Steckverbinder-Hülse zu entfernen. Bei Überlappung der Steckverbinder-Hülse mit der Steckverbinder-Hülse ist die Steckverbinder-Hülse zu entfernen. Bei Überlappung der Steckverbinder-Hülse mit der Steckverbinder-Hülse ist die Steckverbinder-Hülse zu entfernen.

Warnung:
Bei Montage des Steckverbinders auf Überlappung mit der Steckverbinder-Hülse achten. Bei Überlappung der Steckverbinder-Hülse mit der Steckverbinder-Hülse ist die Steckverbinder-Hülse zu entfernen. Bei Überlappung der Steckverbinder-Hülse mit der Steckverbinder-Hülse ist die Steckverbinder-Hülse zu entfernen.

Technische Merkmale

Steckverbinder nach DIN EN 175301-803, Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A.

1. Leistungsübertragung / Performance / Performance

Parameter	Value
Umspannung	50 V
Strom	16 A
Leistung	100 W

2. Technische Merkmale / Performance / Performance

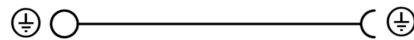
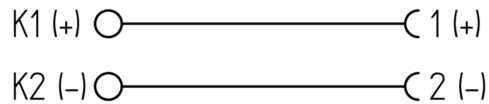
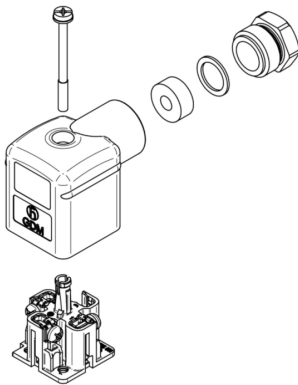
Parameter	Value
Umspannung	50 V
Strom	16 A
Leistung	100 W

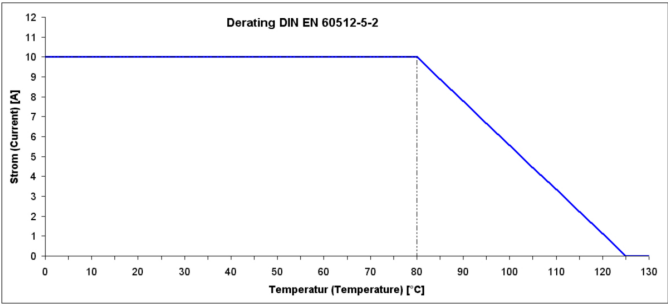
3. Technische Merkmale / Performance / Performance

Parameter	Value
Umspannung	50 V
Strom	16 A
Leistung	100 W

4. Technische Merkmale / Performance / Performance

Parameter	Value
Umspannung	50 V
Strom	16 A
Leistung	100 W





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
Replacement for:	ID: 934393100 Name: GDM 2016 schwarz
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:	M16
Conductor Cross Section:	0.25 - 1.5 mm²
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

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	Replacement For
934888100	GDM2106-A0U-10F	ID: 934393100 Name: GDM 2016 schwarz

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