

Product: [GDM3106-A0U-10F](#)

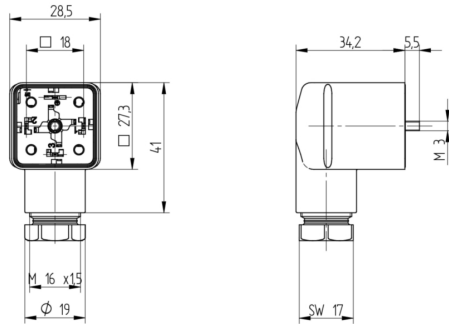


Form A, 18mm - Female 90° | #Contacts: 3+Ground (PE), Screw Type | No Protective Circuit | 250 V | Black Housing, Black M16 Cable Gland | Included: Central Screw | Bulk Packaging

Product Description

Form A, 18mm - Female Angled | #Contacts: 3+Ground (PE), Screw Type | No Protective Circuit | 250 V / 16A | Black Housing, Black M16 Cable Gland | Included: Central Screw | Bulk Packaging

Technical Drawing



Montageanleitung
Ventilsteckverbinder

GDM

DIN EN 175301-803

IP65, IP 67

Kabelspezifikation
Kabeldurchmesser: 0,5 bis 6,0 mm / 0,2 bis 30,2 mm
Leitungsgeschwindigkeit: AWG 20 – AWG 14

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

Mit diesen Daten wird die Steckverbinder auf Übereinstimmung mit den technischen Zeichnungen geprüft. Bei Nichtübereinstimmung ist das Produkt nicht zu verwenden. Bei Nichtübereinstimmung ist das Produkt nicht zu verwenden. Bei Nichtübereinstimmung ist das Produkt nicht zu verwenden. Bei Nichtübereinstimmung ist das Produkt nicht zu verwenden.

Warnung!
Bei Verwendung des Produkts ist die Einhaltung der folgenden Bedingungen zu beachten: ...

Technische Merkmale

Steckverbinder nach DIN EN 175301-803, Form A, 18mm - Female 90°.

1. Leistungsübertragung, Mechanische Eigenschaften / Anmerkungen

Steckverbinder	Steckverbinder	Steckverbinder	Steckverbinder
GDM3106	Steckverbinder	Steckverbinder	Steckverbinder
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GDM3106	Steckverbinder	Steckverbinder	Steckverbinder

2. Technische Eigenschaften / Anmerkungen / Elektr. Werte

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

3. Technische Eigenschaften / Anmerkungen

Steckverbinder	Steckverbinder	Steckverbinder	Steckverbinder
M 16	4,6	10 Nm	10 Nm
M 16	4,6	10 Nm	10 Nm
M 16	4,6	10 Nm	10 Nm
M 16	4,6	10 Nm	10 Nm

4. Leistung, Adress, Adressierung

Optionell ist die Verwendung einer Adressierhilfe zulässig.

5. Geringe Verluste für Leitungsdaten nach DIN EN 50173

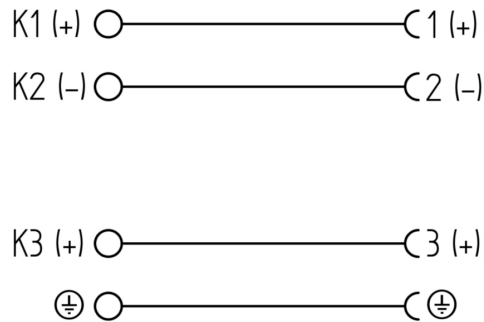
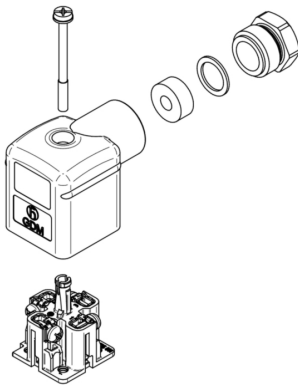
Typische Werte: ...

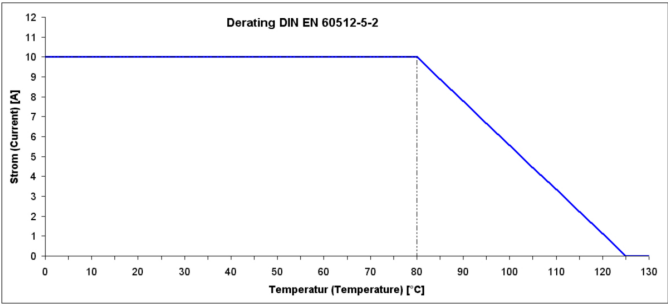
6. Geringe Verluste für Leitungsdaten nach DIN EN 50173

Typische Werte: ...

7. Geringe Verluste für Leitungsdaten nach DIN EN 50173

Typische Werte: ...





Technical Specifications

Product Life Cycle

Availability:	Active
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Technical Data

Product Family:	Valve Connectors
Product Sub Family:	GDM Standard
Brand:	Hirschmann
Connector Type:	Field Attachable
Connector Sub Type:	Form A
Type of Contact / Gender:	Socket Contacts / Female
Connector Design:	Angled (90°) Body
Number of Pins:	3+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw, M 3 x 35
Replacement for:	ID: 934395100 Name: GDM 3016 schwarz
Rated Voltage:	250 V
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 terminal
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 9 mm
Ambient Temperature (Operation)*:	- 40 °C to + 125 °C [Connector] - 30 °C to + 90 °C [when mated with NBR gasket] - 15 °C to + 125 °C [when mated with FKM gasket] - 40 °C to + 125 °C [when mated with EPDM or MPQ gasket]
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:	Brass (CuZn)
Contact Plating:	Copper-Tin Alloy (Cu/Sn)
Contact Bearer Material:	Glass-Fiber Reinforced Polyamide (PA GF)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Glass-Fiber Reinforced Polyamide (PA GF)
Housing Color:	Black
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	Glass-Fiber Reinforced Polyamide (PA GF)

Cable Gland Gasket:	Nitrile Butadiene Rubber (NBR)
Cable Gland Color:	Black
Flammability Class (Cable Gland):	UL 94 HB
Attachment Material:	Steel Fastener (4.8 , Fe/Zn B)
Gasket Material:	Sold separately

Protection Circuitry

Protective Circuit:	No Protective Circuit
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Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.5 - 1.5 mm²; (30-40) Ncm for conductor size 0.38-0.34 mm²; (25-30) Ncm for conductor size 0.25 mm²
Fastening Torque (Cable Gland):	(150-200) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

VDE:	VDE-Reg.-Nr.: E349
SEV:	Yes

Safety & Environmental Compliance

REACH:	Yes
RoHS Compliant:	Compliant

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Central Screw	Gasket	Packaging	Replacement For
934888101	GDM3106-A0U-10F	1- SteelScrew, Combi Head	0 - Sold Separately	F - Collect packaging 200 pieces, assembled	ID: 934395100 Name: GDM 3016 Black

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