

Product: [GDM2106-V1Q-10D](#)

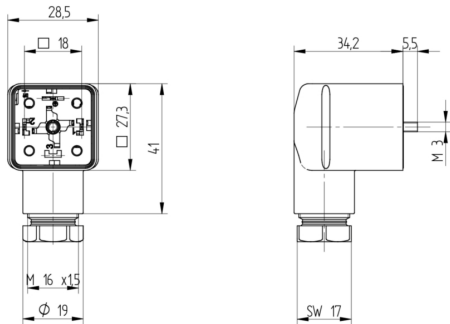


GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M16; with varistor, 24 V AC/DC, 10 A

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 varistor, 24 V AC/DC, 10 A

Technical Drawing



DIN EN 175305-803

PHS, 07/17
Kabelqualifikation
Kabeldurchmesser: 0,5 bis 0,8 mm (SD) bis 30,2 mm
Leitungsart: AWG 20 - AWG 14

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

Wichtige Hinweise
Dieses Produkt ist ein elektrisches Bauelement, das für die Verwendung in einem elektrischen System vorgesehen ist. Es ist nicht für die Verwendung in einem explosiven Umfeld oder in einem Bereich, in dem eine Gefahr für die menschliche Gesundheit besteht, vorgesehen. Die Verwendung dieses Produkts in einem solchen Umfeld ist nicht zulässig. Die Verantwortung für die Einhaltung dieser Bedingungen liegt bei dem Benutzer. Die Verwendung dieses Produkts in einem solchen Umfeld ist nicht zulässig. Die Verantwortung für die Einhaltung dieser Bedingungen liegt bei dem Benutzer. Die Verwendung dieses Produkts in einem solchen Umfeld ist nicht zulässig. Die Verantwortung für die Einhaltung dieser Bedingungen liegt bei dem Benutzer.

1. Leistungsübertragung / Kabeldurchmesser / Anpressmoment

GDM206	10x5,5	0,8 - 0,8 mm	150 Nm
GDM206	7x5,5	0,8 - 0,8 mm	150 Nm
GDM206	4x5,5	0,8 - 0,8 mm	150 Nm
GDM206	2x5,5	0,8 - 0,8 mm	150 Nm
GDM206	1x5,5	0,8 - 0,8 mm	150 Nm

2. Schutzschichten / Überspannung / Anpressmoment / Elektr. Werte

AWG 20	40 Nm	64 / 300 V AC/DC
AWG 18	40 Nm	100 / 300 V AC/DC
AWG 16	40 Nm	150 / 300 V AC/DC
AWG 14	40 Nm	200 / 300 V AC/DC

3. Dimensionen / Anpressmoment

M 3x6 - 4,8	10 Nm
M 3x6 - 6,3	10 Nm
M 3x6 - 7,9	10 Nm
M 3x6 - 9,5	10 Nm

4. Leistung: Adern, Ableitung

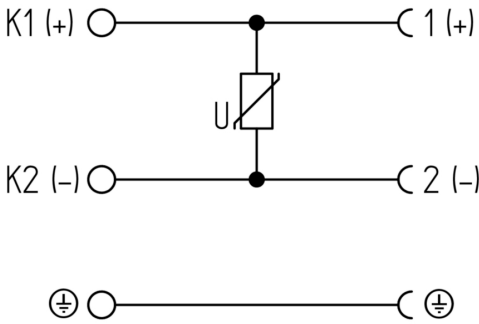
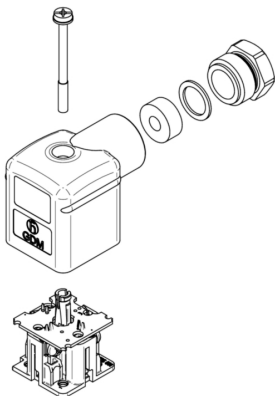
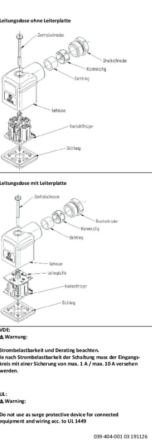
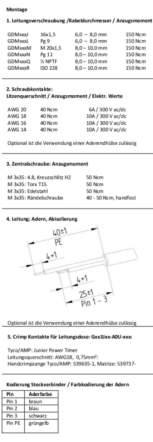
Optionell ist die Verwendung einer Adernableitung zulässig.

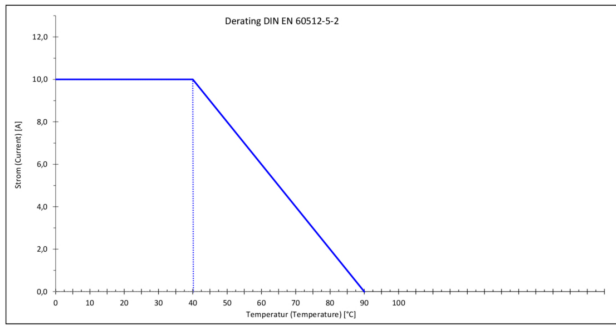
5. Comp. Kontakte für Leitungen ohne Adernableitung

Typ/Modell	Justiz Power Tracer
Typ/Modell	Leitungsableitung: 0,5 bis 1,0 mm
Typ/Modell	Leitungsableitung: 1,0 bis 1,5 mm

Kabelung: Schutzschicht / Fehlfunktion der Adern

Pin	Adern/Leitung
Pin 1	Leitung
Pin 2	Leitung
Pin 3	Leitung
Pin 4	Leitung
Pin 5	Leitung





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*:	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 - 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

Protection Circuitry

Protective Circuit:	Varistor
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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
934888031	GDM2106-V1Q-10D

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