

Product: [GDM31F6-A1U-10E](#)

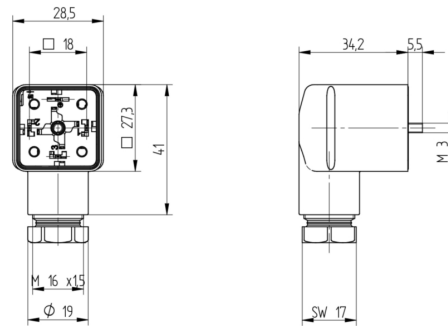


GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), transparent housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), transparent housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A

Technical Drawing



Montageanleitung Ventiltasterbelüfter GDM

PEL, IP 67

DIN EN 175305-803

Sublagengrößen: 6,0 bis 8,0 mm / 8,0 bis 30,0 mm
Leitungsquerschnitt: AWG 20 – AWG 14

Achtung!
Nicht einbauen, wenn die Leiterplatte nicht abgedeckt / verschweißt ist.

Einbau: Vor dem Einbau des Druckluft- und Ventilbelüfters mit der Belüftungseinheit verbinden. Die Belüftungseinheit ist mit einem Schraubverschluss zu versehen. Die Belüftungseinheit ist mit einem Schraubverschluss zu versehen. Die Belüftungseinheit ist mit einem Schraubverschluss zu versehen.

1. Leitungsübertragung / Kabelklemmen / Anpressen

GDMMod	30x1,5	0,5 – 8,0 mm	150 Nm
GDMMod	7x0,5	0,5 – 8,0 mm	150 Nm
GDMMod	M 2x0,5	0,5 – 2,0 mm	150 Nm
GDMMod	PG 1,1	0,5 – 2,0 mm	150 Nm
GDMMod	3x0,75	0,5 – 2,0 mm	150 Nm
GDMMod	PG 2,0	0,5 – 2,0 mm	150 Nm

2. Schraubklemmen / Leiterplatte / Einbau: Werte

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

3. Zwickelklemmen-Anpassung

M 2x0,5 - 0,5, Kreuzschlitze	10 Nm
M 2x0,5 - 0,5	10 Nm
M 2x0,5 - 0,5	10 Nm
M 2x0,5 - 0,5	10 Nm

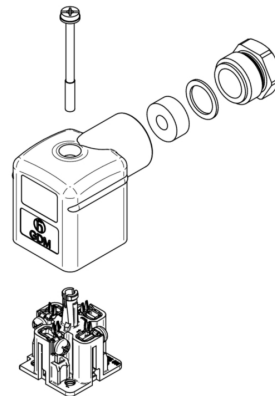
4. Leitungsführung, Abdeckung

5. GDM Kontakte für Leitungsbusse: Druckluft- und Ventilbelüfter

6. Montage

7. Klemmenblock / Einbau: Werte

PEL	10 Nm
PEL	10 Nm
PEL	10 Nm
PEL	10 Nm



K1 (+) ○ ————— C1 (+)

K2 (-) ○ ————— C2 (-)

K3 (+) ○ ————— C3 (+)

⊕ ○ ————— C ⊕

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:	3+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
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 mm ²
Suitable Cables:	Ø 4.5 - 9 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

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
18161	GDM31F6-A1U-10E

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