

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

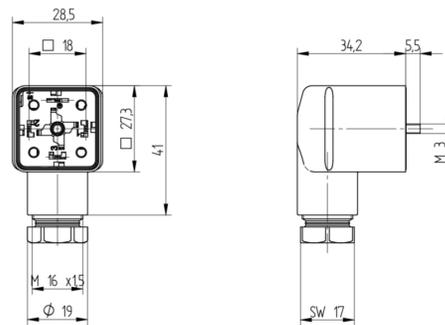
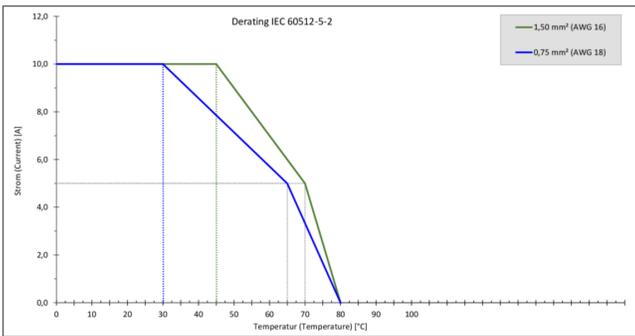


**GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), transparent housing, screw type, M16; without circuitry, 230 V AC/DC, 16 A**

**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**  
**VENTILSTECKER**  
**GDM**

**DIN EN 175305-803**

PEL, IP 67

Kabeldurchmesser: 6,0 bis 8,0 mm / Ø 0,24 bis 0,30 mm  
Leitungsquerschnitt: AWG 20 – AWG 14

**Achtung!**  
Nicht überladen! Nicht unter Last oder Spannung stecken / versetzen!

Bei Fehler des Kabels die Drahtschleife auf Beschädigung und der Isolierungsschicht auf Beschädigung prüfen. Bei Beschädigung der Drahtschleife oder der Isolierungsschicht die Drahtschleife austauschen. Bei Beschädigung der Drahtschleife oder der Isolierungsschicht die Drahtschleife austauschen. Bei Beschädigung der Drahtschleife oder der Isolierungsschicht die Drahtschleife austauschen.

**Technische Zeichnung**

1. Leitungsdrähte, Kabelschleife / Anzeigemeinige

2. Schutzkabel / Anzeigemeinige / Folien-Matte

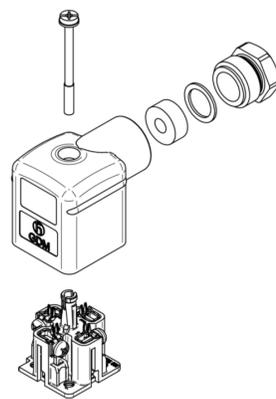
3. Zwickelkabel-Anzeigemeinige

4. Leitungsfäden, Abdeckung

5. GDM Kontakte für Leitungsdrähte, Schutzkabel-Matte

**Warnung:**  
Stromüberlastung und Dringlichkeit beachten. In nicht Stromüberlastbarkeit der Schutzkabel-Matte der Dringlichkeit kann mit einer Leistung von max. 1 A / max. 10 W arbeiten werden.

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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 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>
Suitable Cables:	Ø 4.5 - 10 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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