



Product: [GDMC 0016](#) 

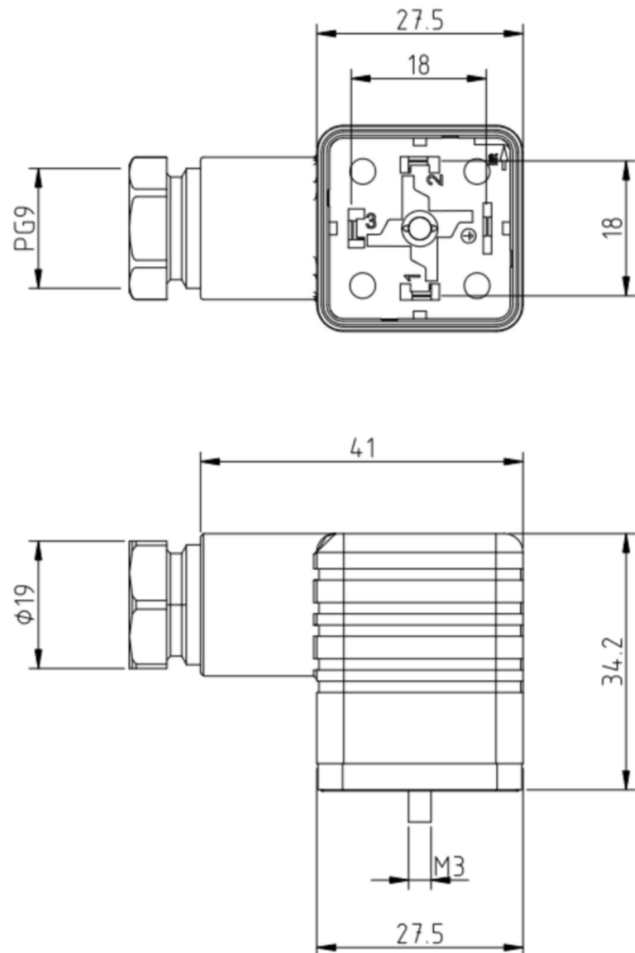
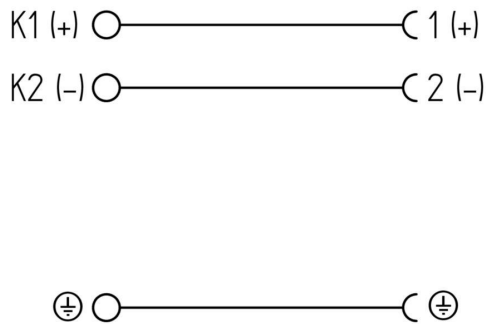
Replaced by: [GDM2109-A0U-10F](#)

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

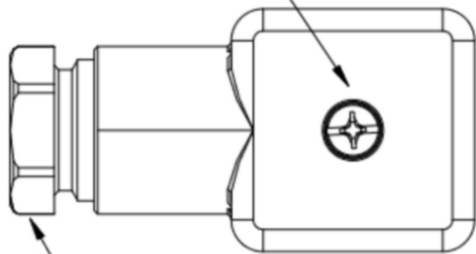
Product Description

Form A, 18mm - Female Angled | #Contacts: 3+Ground (PE), JPT Crimp Type | No Protective Circuit | 250 V / 12A | Black Housing, Black M16 Cable Gland | Included: Central Screw | Bulk Packaging

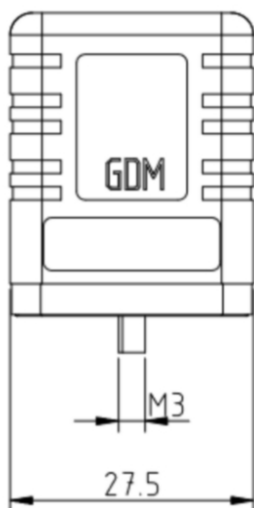
Technical Drawing



Central Screw Torque value:
[50-60] Ncm



Hex Nut Torque value:
[250-375] Ncm



Technical Specifications

Product Life Cycle

Availability:	Active
Last Order Date:	2024-08-02
Last Delivery Date:	2024-12-31

Technical data

Product Family:	Valve Connectors
Side 1 Product Sub Family:	GDM Legacy
Brand:	Hirschmann
Connector Type:	Field Attachable
Connector Sub Type:	Form A
Side 1 Type of Contact/Gender:	Socket Contacts / Female
Connector Design:	Angled (90°) Body
Number of Pins:	Contacts sold seperately (see downloads for more details)
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Central Screw, M 3 x 35
Voltage Rating:	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC

Current Rating:	12 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16x1.5
Thread Size:	M16x1.5
Cross Section:	0.50 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 10 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:	CuZn
Side 1 Contact Plating:	Cu/Sn
Contact Bearer Material:	Glass-Fiber Reinforced Polyamide (PA GF)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Polyamide (Nylon) Glass-Filled (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
Attachment Material:	Steel Fastener (4.8 , Fe/Zn B)
Gasket Material:	Sold separately

Additional Technical Data

Fastening Torque (Contact Screw):	not applicable
Fastening Torque (Cable Gland):	(250-375) 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:	Protection Degree and IP Rating per test standard IEC 60529 using a Hirschmann / Lumberg Automation mating product

Variants

Item #	Item Description	Central Screw	Gasket	Packaging
934397100	GDMC 0016 JPT black	1 - Central Screw Steel, combi head	0 - Sold Separately	F - Collect packaging 200 pieces, assembled

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