



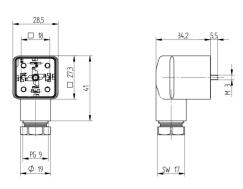
Product: GDM3109-A0U-10F ☑

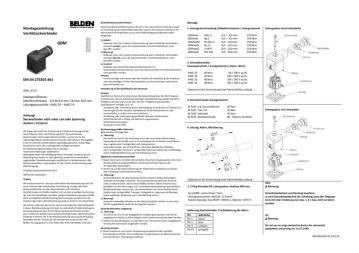
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 3 Pole+Ground (Protective Earth), PG9, Black Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

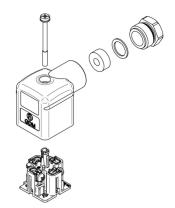
# **Product Description**

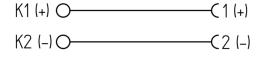
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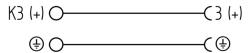
### **Technical Drawing**

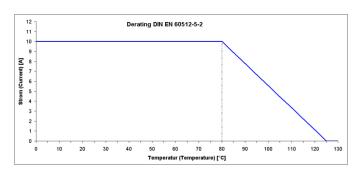












# **Technical Specifications**

## **Technical Data**

Product Family:	Valve Connectors			
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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			
Replacement for:	ID: 931969100 Name: GDM 3009 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			
Cable Gland:	PG9			
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>			
Suitable Cables:	Ø 4.5 - 10 mm			
Ambient Temperature (Operation)*:	-40°C to +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	

#### **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):	(250-375) Ncm	
Fastening Torque (Attachment):	(50-60) Ncm	

### **Approvals**

VDE:	Yes
SEV:	Yes

### Safety & Environmental Compliance

RoHS Compliant:	Yes

### 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	Central Screw	Gasket	Packaging	Replacement For
934888105	GDM3109-A0U-10F	1- SteelScrew, Combi Head	0 - Sold Seperately	F - Collect packaging 200 pieces, assembled	ID: 931969100 Name: GDM 3009 black

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