



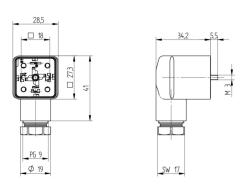
Product: GDM3169-A0U-10F ☑

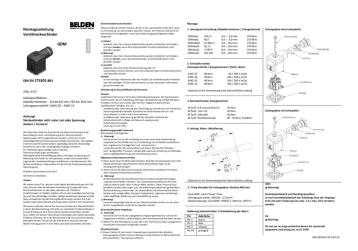
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 3 Pole+Ground (Protective Earth), PG9, Grey Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

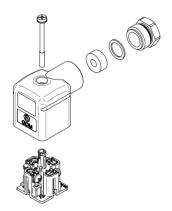
## **Product Description**

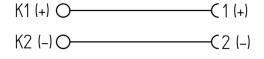
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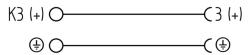
### **Technical Drawing**

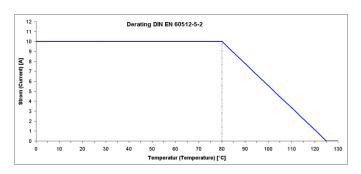












# **Technical Specifications**

# **Technical Data**

Product Family:	Valve Connectors		
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 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:	Grey
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	PA GF
Cable Gland Gasket:	NBR
Cable Gland Color:	Grey
Attachment Material:	Steel, Philips combi slot
Gasket Material:	Sold separately

# **Additional Technical Data**

Fastening Torque (Contact Screw):	$(40-50)\ Ncm\ for\ conductor\ size\ 0.5-1.5\ mm^2; (30-40)\ Ncm\ for\ conductor\ size\ 0.38-0.34\ mm^2; (25-30)\ Ncm\ for\ conductor\ size\ 0.25\ mm^2$
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: ** 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
934888	18 GDM3169-A0U-10F	1- SteelScrew, Combi Head	0 - Sold Seperately	F - Collect packaging 200 pieces, assembled	ID: 931969106 Name: GDM 3009 grey

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