

# Product: GDM 3012 J Black ☑

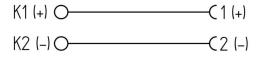


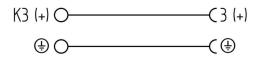
DIN Valve Connector, Form A, Field Attachable, 3+Ground, 1/2" NPTF, Black Housing, without circuitry, UL, 250 V

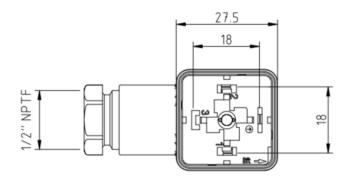
### **Product Description**

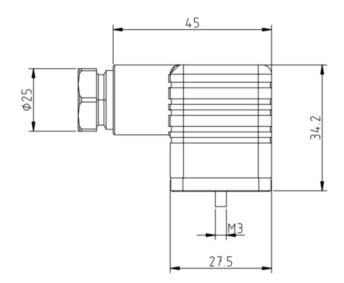
GDM - 175301-803 (DIN 43650), Form A, Female, 18mm, Black housing, 3+Ground (Protective Earth). screw contacts, without circuitry, 250 V AC/DC, 16A, cable gland 1/2" NPTF thread, UL

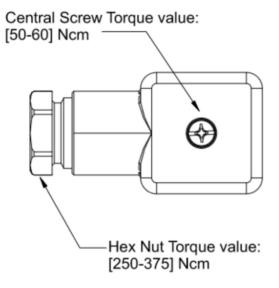
## **Technical Drawing**

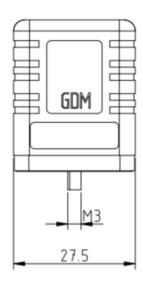












# **Technical Specifications**

# **Technical data**

Product Family:	Valve Connectors			
Product Sub Family:	GDM Legacy			
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			
Rated Current*:	16 A			
Contact Resistance:	≤ 10 mOhm			
Insulation Resistance:	> 10^9 Ohm			
Mating Cycles:	≤ 50			
Cable Gland:	1/2" NPTF			
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>			
Suitable Cables:	Ø 7 - 11 mm			

Ambient Temperature (Operation)*:	-40 °C - +125 °C		
Protection Degree / IP Rating**:	P65		
Design Standard:	N 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 Color:	Brown
Flammability Class (Contact Bearer):	UL 94 V-0
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 0.25 - 1.5 mm²; (30-40) Ncm for conductor size 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**

UL-File:	E95522
VDE:	Yes
SEV:	Yes

## Safety & Environmental Compliance

RoHS Compliant:
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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.	

#### Variants

Item :	Item Description	Central Screw	Gasket	Packaging	Replaced By
932519	GDM 3012 J UM SCHWARZ	1- SteelScrew, Combi Head	0 - Sold Seperately	S - Collect packaging 200 pieces, unassembled	ID: 934888128 Name: GDM31AQ-A0U-10F

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