



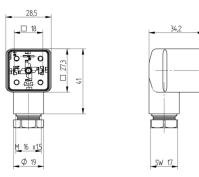
Product: <u>GDM2166-V3U-10D</u> ☑

GDM DIN Valve Connector, Form A, 18mm, 2+Ground, M16x1, Grey Housing, with circuit (Bridge Rectifer and Varistor), 250 V | 1 A, Steel Center Screw, Bulk Packaging

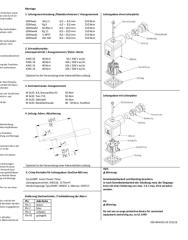
Product Description

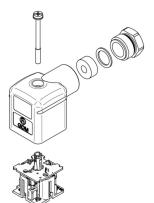
GDM DIN Valve Connector, Form A, 18mm, 2+Ground, M16x1, Grey Housing, with circuit (Bridge Rectifer and Varistor), 250 V | 1 A, Steel Center Screw, Bulk Packaging

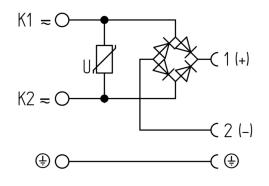
Technical Drawing

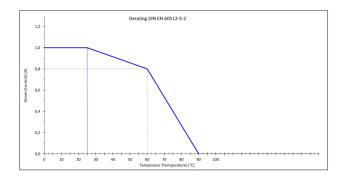












Technical Specifications

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:	2+PE (PE across cable outlet)			
Coding:	A			
Shielding:	Unshielded			
Attachment Type:	Central Screw			
Rated Voltage:	250 V			
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)			
Operating Voltage:	230 V AC/DC			
Rated Current*:	1A			
Contact Resistance:	≤ 10 mOhm			
Insulation Resistance:	> 10^9 Ohm			
Mating Cycles:	≤ 50			
Type of Connection:	Screw			
Cable Gland:	M16			
Conductor Cross Section:	0.25 - 1.5 mm²			
Suitable Cables:	Ø 4.5 - 9 mm			
Ambient Temperature (Operation)*:	-40 °C - +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			

Protection Circuitry

Bridge Rectifier:	yes
Protective Circuit:	Varistor

Additional Technical Data

Fastening Torque (Contact Screw): (40-50) Ncm for conductor size 0.50 - 1.5 mm ² ; (30-40) Ncm for conductor size 0.34 mm ² ; (25-30) Ncm for conductor size 0.2				
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 Description	Central Screw	Gasket	Packaging	Replacement For
9348	888165	GDM2166-V3U-10D	1- Steel Screw, Combi Head	0 - Sold Seperately	D - Collect packaging 50 pieces, assembled	ID: 934407106 Name: GDM 2016 GB 1 GREY

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