



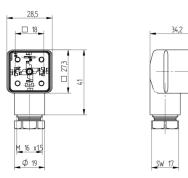
Product: <u>GDM2166-A0U-10F</u>

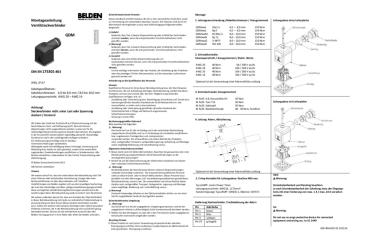
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), M16, Grey Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

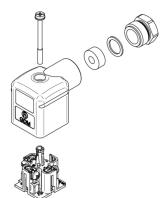
Product Description

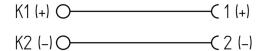
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), M16, Grey Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

Technical Drawing

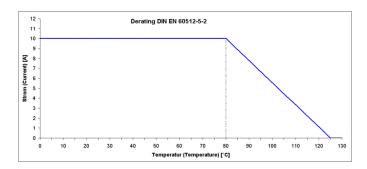












Technical Specifications

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			
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:	M16			
Conductor Cross Section:	0.25 - 1.5 mm ²			
Suitable Cables:	Ø 4.5 - 9 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			
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				

Variants

ltem #	Item Description	Central Screw	Gasket	Packaging	Replacement For
934888131	GDM2166-A0U-10F	1- SteelScrew, Combi Head	0 - Sold Seperately	F - Collect packaging 200 pieces, assembled	ID: 934393106 Name: GDM 2016 grey

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