



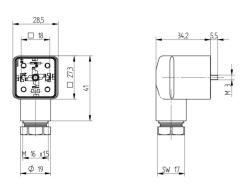
Product: GDM2166-A0U-10F ☑

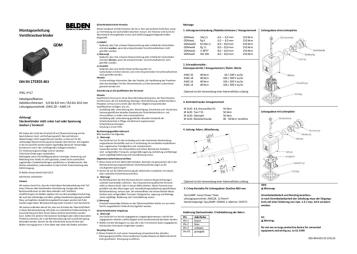
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), M16, Grey Housing, without circuitry, 250V | 16 A, Steel Center Screw, Bulk Packaging

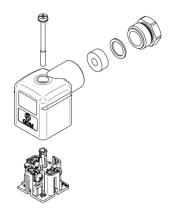
Product Description

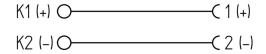
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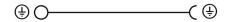
Technical Drawing

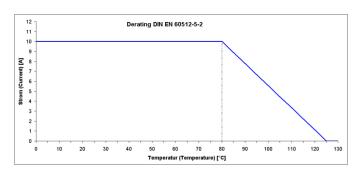












Technical Specifications

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:	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 - 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\text{-}50)\ \text{Ncm for conductor size } 0.5\text{-}1.5\ \text{mm}^2; \\ (30\text{-}40)\ \text{Ncm for conductor size } 0.38\text{-}0.34\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ \text{Ncm for conductor size } 0.25\ \text{mm}^2; \\ (25\text{-}30)\ $
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	tral Screw Gasket Packa	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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