



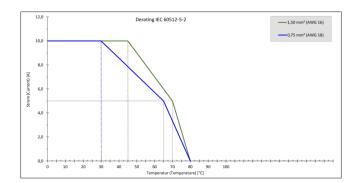
Product: GDM31FB-A1U-10D

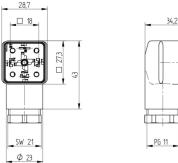
GDM Field Attachable Connector, Form A, Female, Contacts: 3+PE, w/o Protective Circuit or LED, 250V | 16A, IP65, Transluscent PG11 Housing

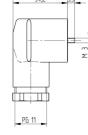
Product Description

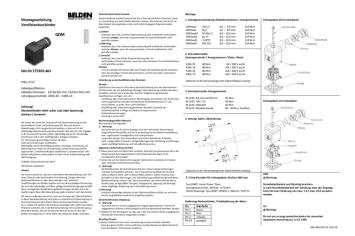
GDM Standard- 175301-803 (DIN 43650), Form A, 18mm, Contacts: 3+PE, PG11, Transluscent Housing, without Protective Circuit or LED, 250V | 16 A, Steel Center Screw, Bulk Packaging

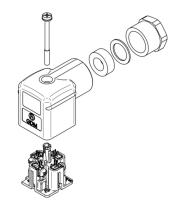
Technical Drawing



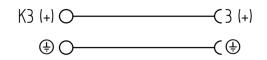












Technical Specifications

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:	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:	PG11	
Conductor Cross Section:	0.25 - 1.5 mm ²	
Suitable Cables:	Ø 4.5 - 11 mm	
Ambient Temperature (Operation)*:	-25°C to +80°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:	Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1	
Overvoltage Category:	tage 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:	Translucent
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):	M3: (25-30) Ncm
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:	*IP Rating test performed by Belden with Belden Connectors only	
Note:	Do not connect or disconnect under load.	

Variants

ltem #	Item Description	Central Screw	Gasket	Packaging
934888155	GDM31FB-A1U-10D	1 - Steel Screw, Combi Head	0 - Sold Seperately	D - Collect packaging 50 pieces, assembled

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