



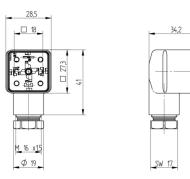
# Product: GDM210B-D1U-40D

Form A - Female 90° | #Contacts: 2+Ground (screw type) | 250 V | with Recovery Diode (FRD) | PG 11 Cable Gland | Bulk packaging

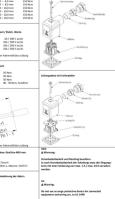
### **Product Description**

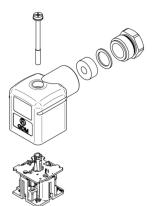
175301-803-A (DIN 43650-A): Field Attachable Female Angled | #Contacts: 2+Ground (screw type) | 250 V / 10 A | with Recovery Diode (FRD) | PG 11 Cable Gland | Bulk packaging

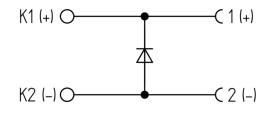
## **Technical Drawing**

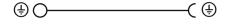


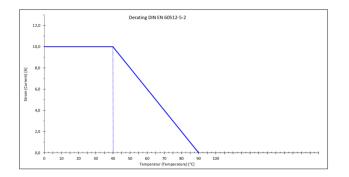












### **Technical Specifications**

### Product Life Cycle

Availability:	New Product
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 DC
Rated Current*:	10 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG 11
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 11 mm
Ambient Temperature (Operation)*:	-40 °C - +125 °C [Not mated ] -30 °C - +90 °C [when mated with NBR gasket] -15 °C - +125 °C [when mated with FKM gasket] -40 °C - +125 °C [when mated with EPDM or MPQ gasket]
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:	Brass (CuZn)
Contact Plating:	Copper over Tin (Cu/Sn)
Contact Bearer Material:	Glass-filled Polyamides (PA GF)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Color:	Black

Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	PA GF
Cable Gland Gasket:	Nitrile Butadiene Rubber (NBR)
Cable Gland Color:	Black
Attachment Material:	Stainless Steel, Philips combi slot
Gasket Material:	Sold separately

#### **Protection Circuitry**

#### **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
Notes	
Note Derating:	Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note:	Do not connect or disconnect under load.

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