

# Product: GDM210A-C3S-10D ☑

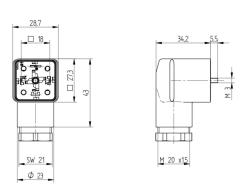


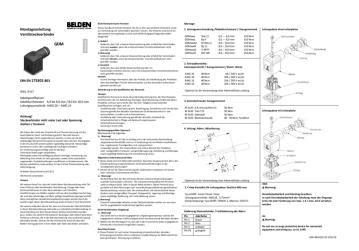
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, M20; with bridge rectifier, varistor and capacitor, 110 V AC/DC, 1 A

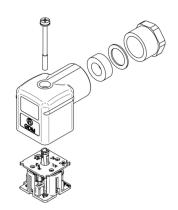
### **Product Description**

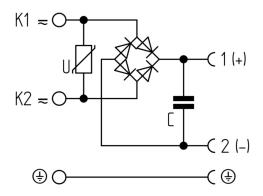
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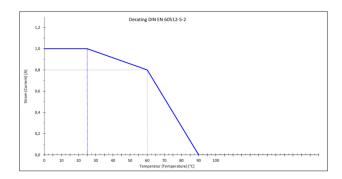
### **Technical Drawing**











## **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 Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	110 V AC/DC
Rated Current*:	1A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M20
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 11 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:	Black
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

#### **Protection Circuitry**

Bridge Rectifier:	yes
Protective Circuit:	Varistor and Capacitor

### **Additional Technical Data**

Fastening Torque (Contact Screw):	$(40-50)\ Ncm\ for\ conductor\ size\ 0.25-1.5\ mm^2;\ (30-40)\ Ncm\ for\ conductor\ size\ 0.34\ mm^2;\ (25-30)\ Ncm\ for\ conductor\ size\ 0.25\ mm^2$
Fastening Torque (Cable Gland):	(150-200) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

#### **Approvals**

VDE:	yes
SEV:	yes

## Safety & Environmental Compliance

RoHS Compliant:	yes

#### **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
934888043	GDM210A-C3S-10D

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