

**Product:** GDM31AB-A0U-10F 

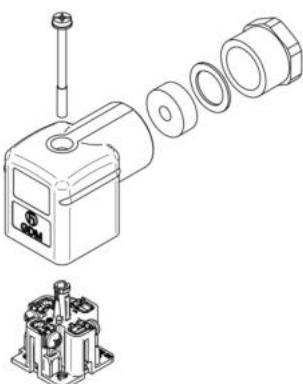
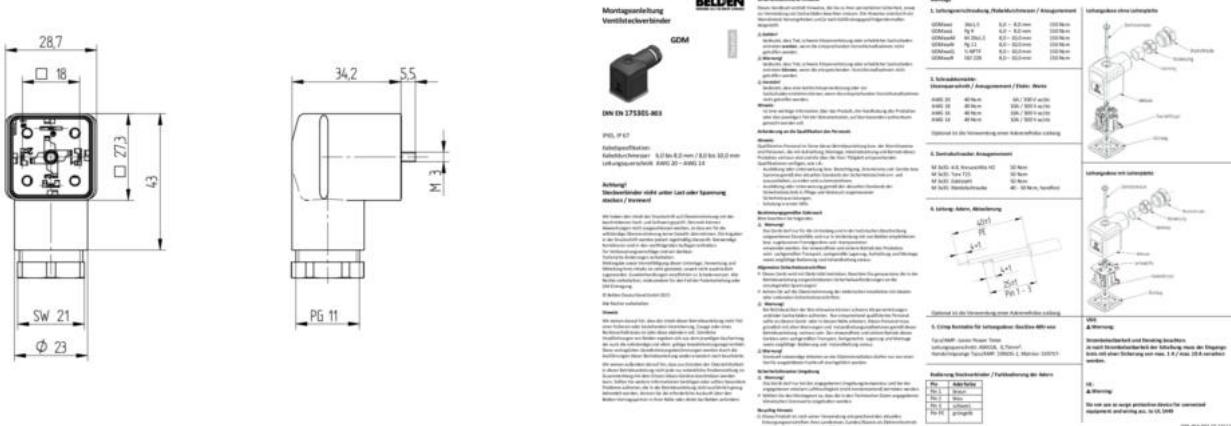


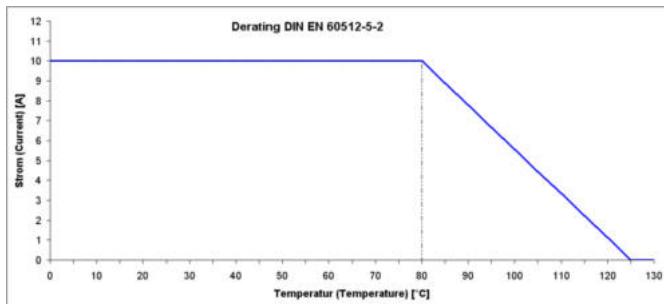
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), black housing, screw type, PG11; without circuitry, 230 V AC/DC, 16 A

## Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), black housing, screw type, PG11; without circuitry, 230 V AC/DC, 16 A

## 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 Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG11
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>
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

### Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.25 - 1.5 mm <sup>2</sup> ; (30-40) Ncm for conductor size 0.34 mm <sup>2</sup> ; (25-30) Ncm for conductor size 0.25 mm <sup>2</sup>
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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

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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
14122	GDM31AB-A0U-10F

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