



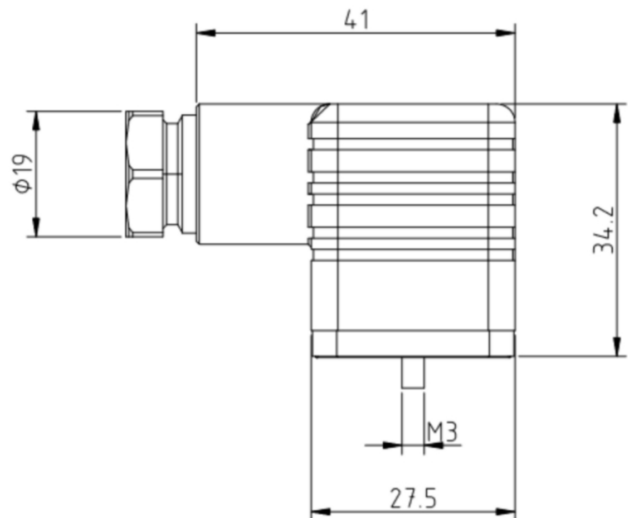
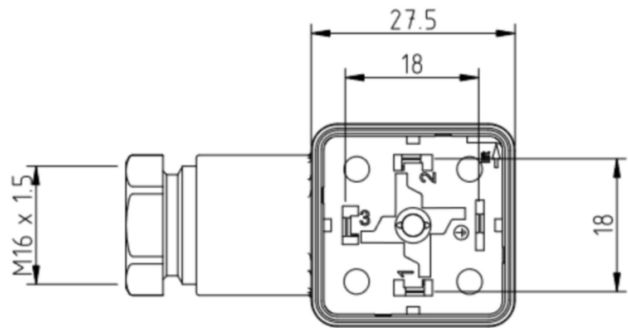
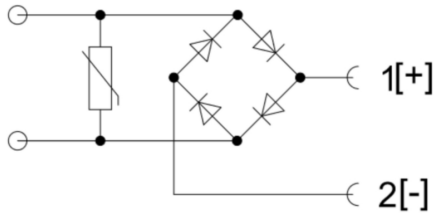
**Product:** [GDML 2016 GB 1 grey](#)

DIN Valve Connector, Form A, Field Attachable, 2+Ground, M16, Grey Housing, with Bridge Rectifier and Protective Circuit, 250 V

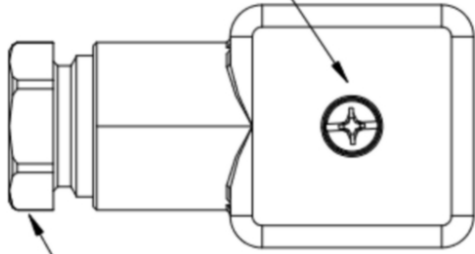
### Product Description

GDM - 175301-803 (DIN 43650), Form A, Female, 18mm, Grey Housing, 2+Ground (Protective Earth). screw contacts, PCB with Bridge Rectifier and Varistor, 250 AC/DC, 1A, grey cable gland M16 thread

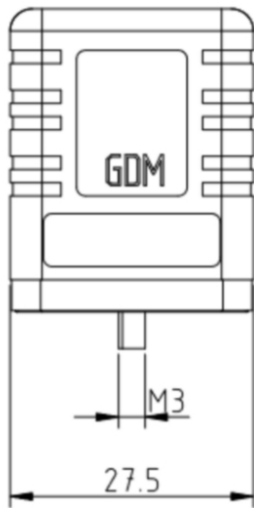
### Technical Drawing



Central Screw Torque value:  
[50-60] Ncm



Hex Nut Torque value:  
[250-375] Ncm



## Technical Specifications

### Technical Data

Product Family:	Valve Connectors
Product Sub Family:	GDM Legacy
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)
Rated Current*:	1 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm <sup>2</sup>
Suitable Cables:	Ø 4.0 - 10 mm

Ambient Temperature (Operation)*:	-40 °C - +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:	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 Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
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

Protection Circuitry

Protective Circuit:	Varistor
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Additional Technical Data

Fastening Torque (Contact Screw):	(40-50) Ncm for conductor size 0.25 - 1.5 mm²; (30-40) Ncm for conductor size 0.34 mm²; (25-30) Ncm for conductor size 0.25 mm²
Fastening Torque (Cable Gland):	(250-375) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

VDE:	No
SEV:	No

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.

Variants

Item #	Item Description	Central Screw	Gasket	Packaging	Replaced By
934407106	GDML 2016 GB 1 grey	1- Steel Screw, Combi Head	0 - Sold Separately	D - Collect packaging 50 pieces, assembled	ID: 934888165 Name: GDM2166-V3U-10D

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