




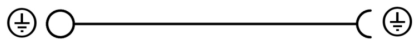
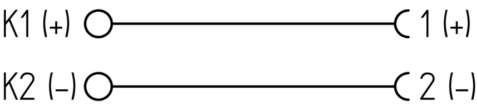
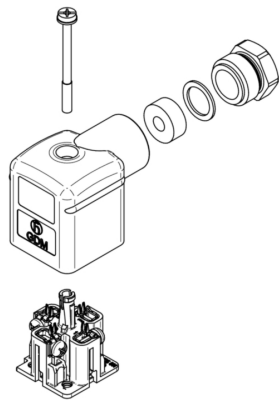
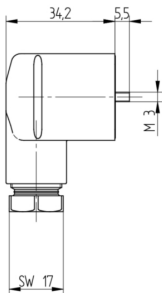
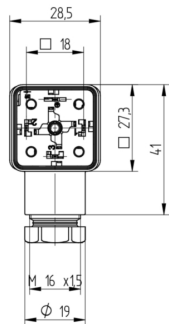
**Product:** [GDM21F6-A1U-1KD](#) 

Form A - Female 90° | #Contacts: 2+PE | No Protective Circuit | 250 V | M16x1.5 Gland | w/ Steel Center Screw, NBR Captive Gasket | Bulk Packaging

**Product Description**

Form A - Female Angled Field Attachable| #Contacts: 2+PE | No Protective Circuit | 250 V / 16 A | w/ Steel Center Screw, NBR Captive Gasket | 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:	Socket Contact / Female

Connector Design:	Angled (90°) Body
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
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:	M16x1.5
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 9 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:	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-Tin Alloy (Cu/Sn)
Contact Bearer Material:	Polyamide (Nylon) w/ Glass Fiber, PA 6 GF
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Polyamide (Nylon) w/ Glass Fiber, PA 6 GF
Housing Color:	Translucent
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	Polyamide (Nylon) w/ Glass Fiber, PA 6 GF
Cable Gland Gasket:	Nitrile Butadiene Rubber (NBR)
Cable Gland Color:	Black
Attachment Material:	Steel, Philips combi slot
Gasket Material:	NBR Captive Gasket, GDMF-6 NBR BK, 735677003

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 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.

Variants

Item #	Item Description	Packaging
23205	GDM21F6-A1U-1KD	D - Collect packaging 50 pieces, assembled

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