

Product: GDM21AN-V3U-1KK ☑

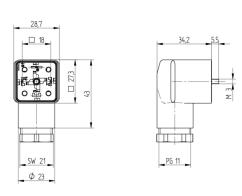


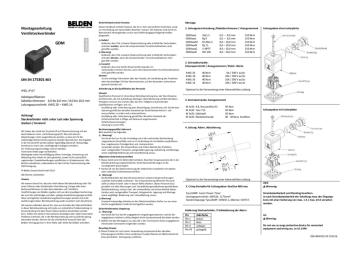
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG11 with strain relief; with bridge rectifier and varistor, 230 V AC/DC, 1 A

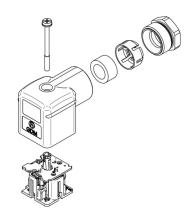
Product Description

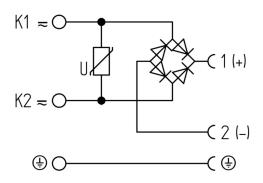
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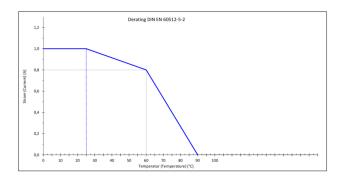
Technical Drawing











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 Voltage (UL):	250 V	
Rated Voltage (CSA):	250 V	
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)	
Operating Voltage:	230 V AC/DC	
Rated Current*:	1A	
Rated Current (UL)*:	1A	
Rated Current (CSA)*:	0.7 A	
Contact Resistance:	≤ 10 mOhm	
Insulation Resistance:	> 10^9 Ohm	
Mating Cycles:	≤ 50	
Type of Connection:	Screw	
Cable Gland:	PG11 with strain relief	
Conductor Cross Section:	0.25 - 1.5 mm²	
Strain-Relief:	Clamping Cage	
Suitable Cables:	Ø 8 - 10 mm	
Ambient Temperature (Operation)*:	-40 °C - +125 °C	
Operating Temperature (UL):	max. + 75 °C	
Operating Temperature (CSA):	max. + 75 °C	
Protection Degree / IP Rating**:	IP65, IP67	
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 (cURus)
Flammability Class (Housing):	UL 94 5VA
Cable Gland Material:	PA GF
Cable Gland Gasket:	NBR
Cable Gland Color:	Black
Strain-Relief Material:	PA GF
Attachment Material:	Steel, Philips combi slot
Gasket Material:	NBR Captive

Protection Circuitry

Bridge Rectifier:	yes
Protective Circuit:	Varistor

Additional Technical Data

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

Approvals

UL-File:	E315587
UL:	UL 2238; cURus
VDE:	yes
SEV:	yes

Safety & Environmental Compliance

RoHS Compliant:	ves		
none compilant.	you		

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
22518	GDM21AN-V3U-1KK

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