



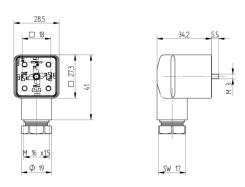
Product: GDM21F6-V48-10D ☑

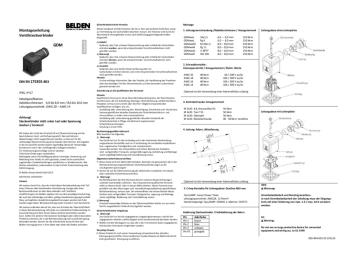
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), transparent housing, screw type, M16; with bridge rectifier, varistor and yellow LED, 48 V AC/DC, 1 A

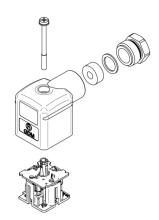
# **Product Description**

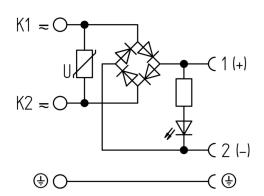
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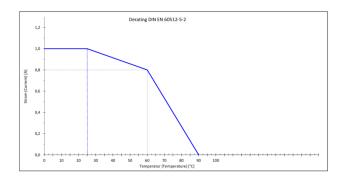
# **Technical Drawing**











# **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
Replacement for:	ID: 934422002 Name: GDML 2016 GB1 LED 48 schwarz ( Yellow LED instead of Red LED)
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	48 V AC/DC
Rated Current*:	1A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 10 mm
Ambient Temperature (Operation)*:	-25 °C - +90 °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:	Transparent
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**

Function Indicator:	Yellow LED
Bridge Rectifier:	yes
Protective Circuit:	Varistor

### **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	Replacement For
934888040	GDM21F6-V48-10D	ID: 934422002 Name: GDML 2016 GB1 LED 48 schwarz ( Yellow LED instead of Red LED)

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