



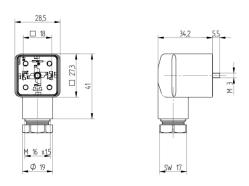


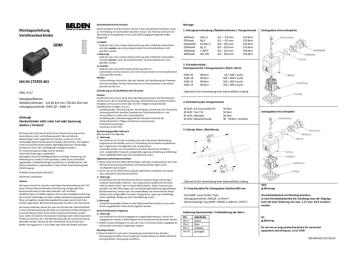
GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, M16 with strain relief; with varistor, 24 V AC/DC, 10 A

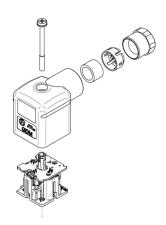
## **Product Description**

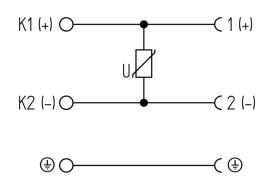
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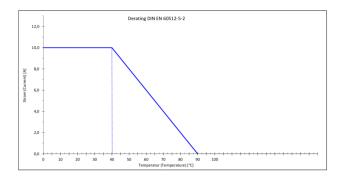
### **Technical Drawing**











# **Technical Specifications**

## **Technical Data**

Product Sub Family: GE Brand: Hin Connector Type: Fie	alve Connectors iDM Standard with cURus irschmann ield attachable
Brand: Hii Connector Type: Fie	irschmann
Connector Type: Fie	
	ield attachable
Type of Contact / Gender:	
	emale
Connector Design: An	ngled
Number of Pins: 2+	+PE (PE across cable outlet)
Coding: A	
Shielding: Un	nshielded
Attachment Type: Ce	entral Screw
Rated Voltage (UL): 24	4 V
Rated Voltage (CSA): 24	4 V
Rated Impulse Voltage: 4.0	0 kV (PCBA 2.0 kV)
Operating Voltage: 24	4 V AC/DC
Rated Current*: 10	0 A
Rated Current (UL)*: 10	0 A
Rated Current (CSA)*: 8 A	A
Contact Resistance: ≤ 1	10 mOhm
Insulation Resistance: > 1	10^9 Ohm
Mating Cycles: ≤ 5	50
Type of Connection: Sc	crew
Cable Gland: M1	116 with strain relief
Conductor Cross Section: 0.2	25 - 1.5 mm²
Strain-Relief: Cla	lamping Cage
Suitable Cables:	6 - 8 mm
Ambient Temperature (Operation)*: -40	10 °C - +125 °C
Operating Temperature (UL):	nax. + 75 °C
Operating Temperature (CSA):	nax. + 75 °C
Protection Degree / IP Rating**: IP6	P65, IP67
Design Standard: DII	IN EN 175301-803-A, ISO 4400
Pollution Degree: 3 a	acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance: DII	IN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	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:	Sold separately

### **Protection Circuitry**

Protective Circuit:	Varistor		

#### **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 0.2	
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		
rtorro compilant.	,		

### **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
934888531	GDM21AJ-V1Q-10D

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