



Product: [GDML 2016 LED 48 HH](#) 

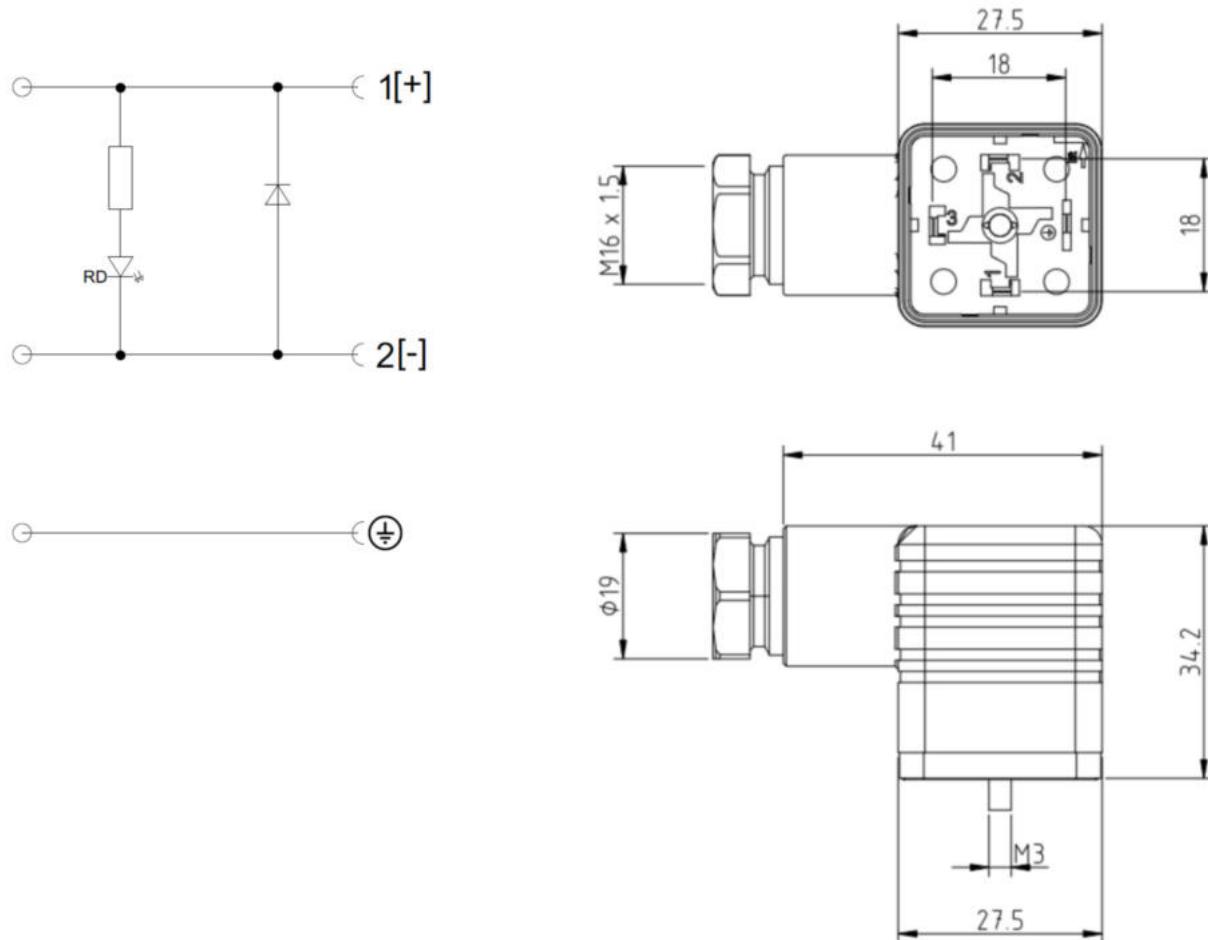
Replaced by: [GDM21F6-D2E-10D](#)

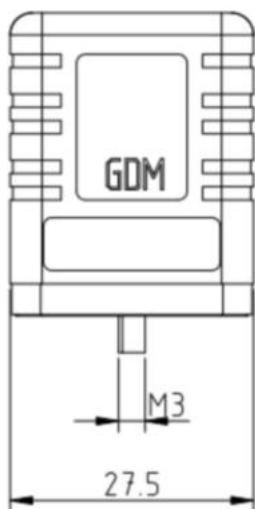
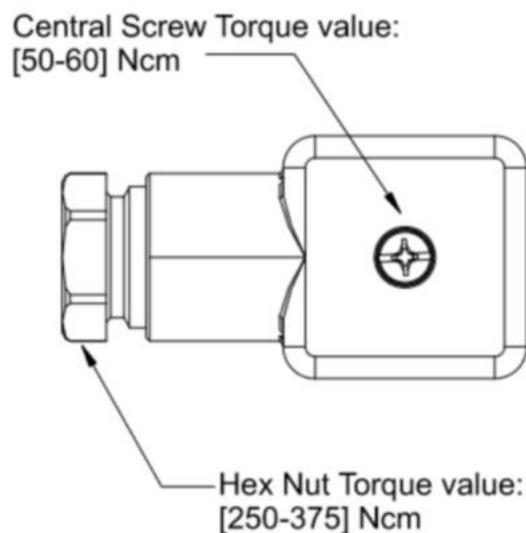
GDM Legacy- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), Translucent Housing, M16 Grey Gland Nut, PCBA with Red LED and Recovery Diode, 48V | 8 A, Steel Center Screw, Bulk Packaging

Product Description

GDM Legacy- 175301-803 (DIN 43650), Form A, 18mm, 2 Pole+Ground (Protective Earth), Translucent Housing, M16 Grey Gland Nut, PCBA with Red LED and Recovery Diode, 48V | 8 A, Steel Center Screw, Bulk Packaging

Technical Drawing





Technical Specifications

Product Life Cycle

Availability:	Last Time Buy
Last Order Date:	2024-08-02
Last Delivery Date:	2024-12-31

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
Replaced by:	PF_GDM21F6-D2E-10D
Rated Voltage:	24 V
Rated Impulse Voltage:	4.0 kV (PCBA 2.0 kV)
Operating Voltage:	48 V DC

Rated Current*:	8 A
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 mm ²
Suitable Cables:	Ø 4.5 - 10 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:	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:	Translucent
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:	Red LED
Protective Circuit:	Diode

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):	(250-375) 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:	Protection Degree and IP Rating per test standard IEC 60529 using a Hirschmann / Lumberg Automation mating product

Variants

Item #	Item Description	Central Screw	Gasket	Packaging	Replaced By
934419002	GDML 2016 LED 48 HH bk	1- Steel Screw, Combi Head	0 - Sold Separately	D - Collect packaging 50 pieces, assembled	ID: 934888183 Name: GDM21F6-D2E-10D

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.