HIRSCHMANN
A BELDEN BRAND

Product: GDM 3009 J black

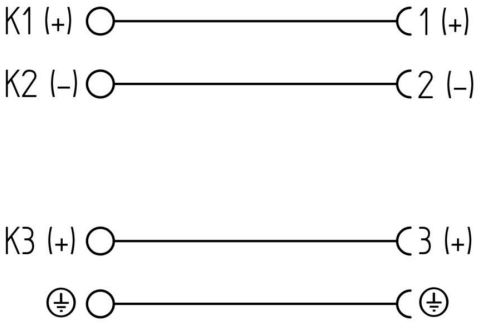


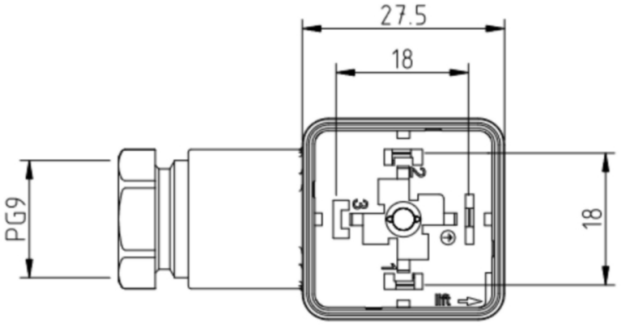
DIN Valve Connector, Form A, Field Attachable, 3+Ground, PG 9, Black Housing, without circuitry, UL, 250 V

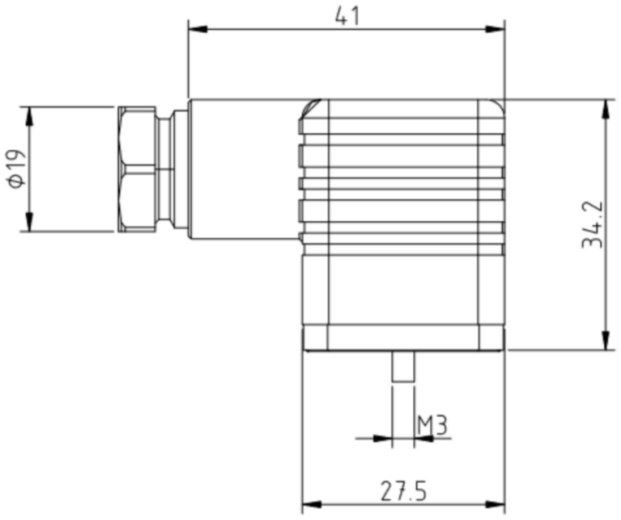
Product Description

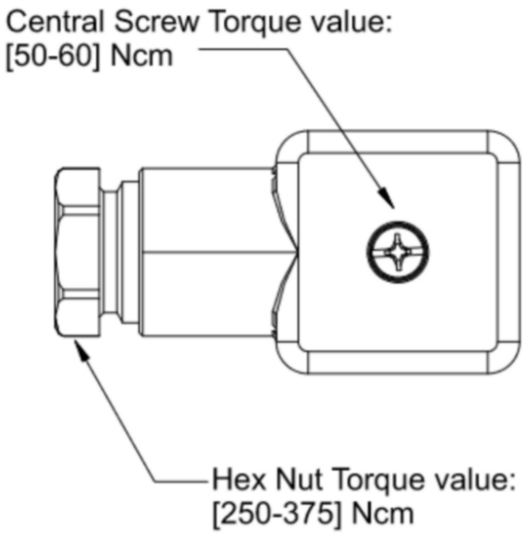
GDM - 175301-803 (DIN 43650), Form A, Female, 18mm, Black housing, 3+Ground (Protective Earth). screw contacts, without circuitry, 250 V AC/DC, 16A, cable gland PG9 thread, UL

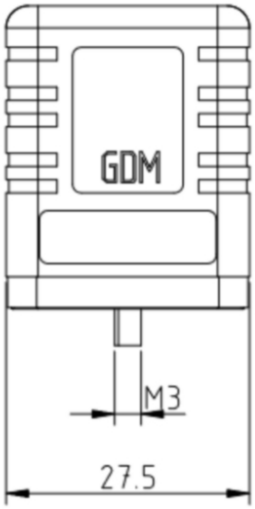
Technical Drawing











Technical Specifications

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:	3+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	250 V
Rated Impulse Voltage:	4.0 kV
Rated Current*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
Cable Gland:	PG9
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 4.5 - 7 mm

Ambient Temperature (Operation)*:	-40 °C - +125 °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 Color:	Brown
Flammability Class (Contact Bearer):	UL 94 V-0
Housing Color:	Black
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

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 0.25 mm²
Fastening Torque (Cable Gland):	(250-375) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

UL-File:	E95522
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.

Variants

Item #	Item Description	Central Screw	Gasket	Packaging	Replaced By
932214100	GDM 3009 J black	1- SteelScrew, Combi Head	0 - Sold Seperately	F - Collect packaging 200 pieces, assembled	ID: 934888127 Name: GDM31AL-A0U-10F

© 2024 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 "ASIS" 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.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Lumberg Automation:

RST 5-RKT 5-87/5 M 11120 11180 RK 50-04/5 M 28536 RST 3-RKMV 3-224/0,3 M
68952 RSMV 4-RKMV 4-225/0,3 M RST 4-RKT 4-637/0.6M 17015 RST 4-RKWT/LED P 4-251/3 M
43703 RST 3-224/2 M RKT4-07/5 RST 4-RKWT/LED P 4-225/1 M 0906 UTP 101 33207 RKT 5-1008/2 M
935092008 RM12CMSSV8XCAT6A RJ45 G-RJ45 G-S478/12M 14509 RSE 3 RKT 8-282/5 M 0976 PMC 101
11165 11821 RST 4-RKT 4-225/0,3 M 11828 RST 4-RKT 4-251/0,6 M 14778 RKM 3-224/0,3 M
RKC 50/9 (sold as single) RKTS 4-288/5 M 11293 RKMV 3-06/10 M 51493 RKWT 5-289/10 M
935070251 RKCWI 4A ASBS 2 M12-S2325 15729 RKT 4-3-224/10 M 33188 RST 5RKT 51008/0,6 M
934935011 RKCS 4T/11