

Product: [GDM31AL-AOU-1KD](#)

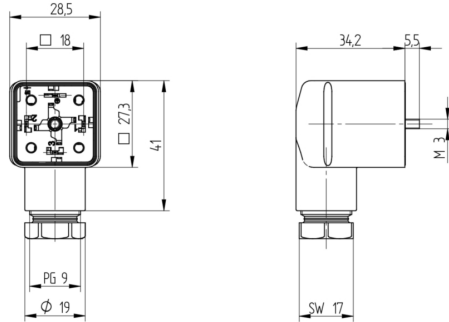
GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A



Product Description

GDM Standard DIN Standard Field Attachable Connector: Form A, 4-pin (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A

Technical Drawing



Montageanleitung
Ventilsteckverbinder

GDM

DIN EN 175303-803

IP65, IP 67

Kabelspezifikation
Kabeldurchmesser: 0,5 bis 6,0 mm / 0,2 bis 10,2 mm
Leitungsquerschnitt: AWG 20 – AWG 14

Achtung!
Steckverbinder nicht unter Last oder Spannung stecken / remove!

Mit diesen Daten wird die Steckverbinder auf Übereinstimmung mit den Steckverbindern geprüft und sichergestellt. Dieser Steckverbinder ist nicht für den Einsatz in explosionsgefährdeten Bereichen geeignet. Die Verwendung in explosionsgefährdeten Bereichen ist nur nach einer besonderen Genehmigung möglich. Die Verwendung in explosionsgefährdeten Bereichen ist nur nach einer besonderen Genehmigung möglich. Die Verwendung in explosionsgefährdeten Bereichen ist nur nach einer besonderen Genehmigung möglich.

Warnung!
Bei Verwendung in explosionsgefährdeten Bereichen ist die Verwendung in explosionsgefährdeten Bereichen zu vermeiden. Die Verwendung in explosionsgefährdeten Bereichen ist nur nach einer besonderen Genehmigung möglich.

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Technische Merkmale

Steckverbinder nach DIN EN 175303-803, Form A, 4-polig (3+1PE; PE across cable outlet), UL 2238, black housing, screw type, PG9 with strain relief; without circuitry, 230 V AC/DC, 10 A.

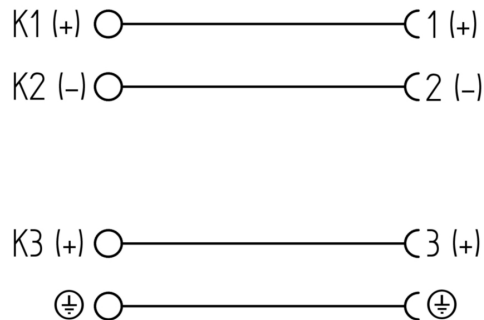
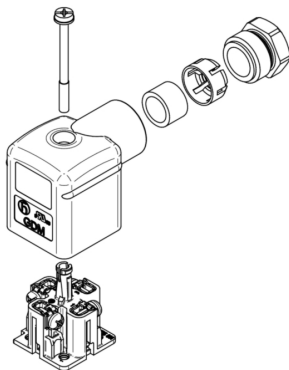
Material:
Housing: Polyamide 6.6 (PA 6.6)
Screw: Steel (St 3.04)
Mounting plate: Steel (St 3.04)

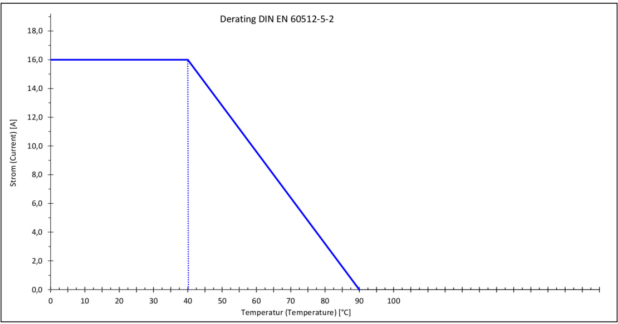
Dimensions:
Housing: 28.5 x 18 x 41 mm
Screw: 3.5 x 10 mm
Mounting plate: 34.2 x 5.5 mm

Weight:
Housing: 10 g
Screw: 1 g
Mounting plate: 1 g

Temperature range:
Operating: -40 °C to +125 °C
Storage: -55 °C to +150 °C

Approval:
UL 2238, CE, RoHS





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:	3+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage (UL):	300 V
Rated Voltage (CSA):	300 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	10 A
Rated Current (UL)*:	10 A
Rated Current (CSA)*:	8 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG9 with strain relief
Conductor Cross Section:	0.25 - 1.5 mm²
Strain-Relief:	Clamping Cage
Suitable Cables:	Ø 6 - 8 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

Additional Technical Data

Fastening Torque (Contact Screw):	M3: (25-30) Ncm
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:	yes
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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
18060	GDM31AL-A0U-1KD

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