



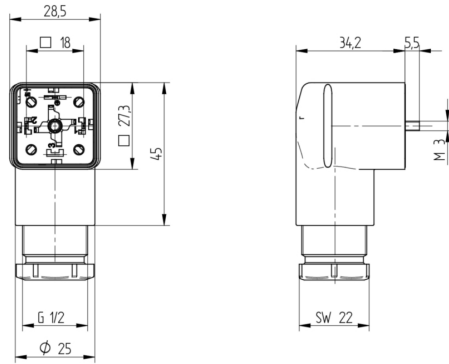
**Product:** [GDM210E-AOU-1KD](#)

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, G1/2"; without circuitry, 230 V AC/DC, 16 A

**Product Description**

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), black housing, screw type, G1/2"; without circuitry, 230 V AC/DC, 16 A

**Technical Drawing**



**Montageanleitung**  
**Ventilsteckverbinder**

**GDM**

**DIN EN 175301-803**

**IP65, IP 67**

**Kabelquerschnitt:** 0,5 bis 0,8 mm<sup>2</sup> (SG) bis 10-16 mm<sup>2</sup> (AWG 20 – AWG 14)

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

Mit diesen Daten wird die Steckverbinder auf Übereinstimmung mit den Normen DIN EN 175301-803 geprüft. Dieser Steckverbinder ist ein Produkt der Hirschmann Group. Die Steckverbinder sind ein Produkt der Hirschmann Group. Die Steckverbinder sind ein Produkt der Hirschmann Group. Die Steckverbinder sind ein Produkt der Hirschmann Group.

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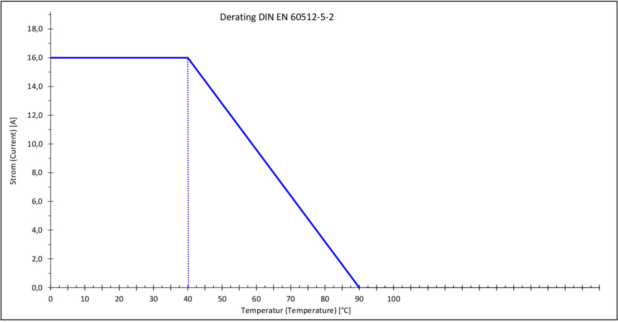
**1. Lötungsanweisung, Steckverbinder / Anordnung**

Steckverbinder	Steckverbinder	Steckverbinder	Steckverbinder
GDM210E	SG 1,5	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 2	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 2,5	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 3	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 4	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 5	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 6	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 7	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 8	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 9	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>
GDM210E	SG 10	0,5 – 0,8 mm <sup>2</sup>	10-16 mm <sup>2</sup>

**2. Steckverbinder-Anordnung**

Steckverbinder	Steckverbinder	Steckverbinder	Steckverbinder
SG 1,5	SG 2	SG 2,5	SG 3
SG 4	SG 5	SG 6	SG 7
SG 8	SG 9	SG 10	SG 11
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SG 820	SG 821	SG 822	SG 823
SG 824	SG 825	SG 826	





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
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	G1/2" (ISO 228)
Conductor Cross Section:	0.25 - 1.5 mm²
Suitable Cables:	Ø 8 - 13 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 Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	PA GF
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:	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

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
18045	GDM210E-A0U-1KD

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