

## Product: [GDS 307 black](#)

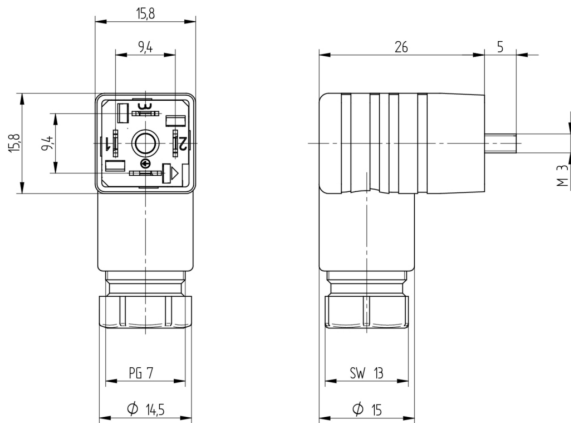


GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, black housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

### Product Description

GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, black housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

### Technical Drawing



**Montageanleitung**  
**Feldanschlusskabel**  
**GDS (N) Steckverbinder**

**GDS ...**  
**GDSN ...**

IP 65  
Kabelschneise Ø 4,5 - Ø 6,0 mm  
Leistungsschritt 0,34 mm<sup>2</sup> - 0,75 mm<sup>2</sup>

**Achtung!**  
Nicht unter Last stecken/ziehen!

**Einbauhinweise:**  
1. Die Kabelschneise muss sauber und frei von Beschädigungen sein.  
2. Die Kabelschneise muss in die Schneise des Steckers eingesteckt werden.  
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**Assembly Instructions**  
**Field attachable (GDS/N) Connector**

**GDS ...**  
**GDSN ...**

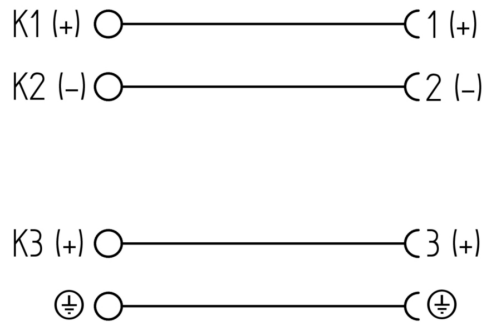
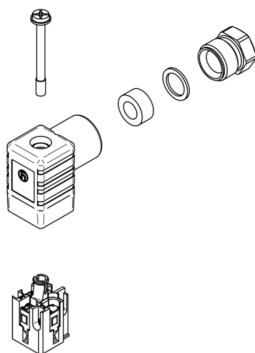
IP 65  
Cable specification: Cable diameter Ø 4.5 - Ø 6.0 mm  
Conductor size 0.34 mm<sup>2</sup> - 0.75 mm<sup>2</sup>

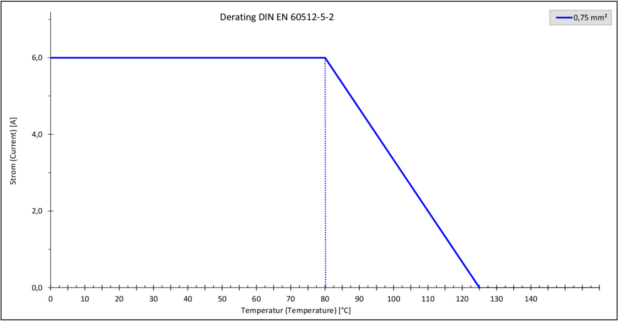
**CAUTION!**  
Not for current interrupting!

**Assembly Instructions:**  
1. The cable jacket must be clean and free of damage.  
2. The cable jacket must be stripped to the correct length.  
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**Notes:**  
The product is not intended for use in explosive atmospheres.  
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## Technical Specifications

### Technical Data

Product Family:	Valve Connectors
Side 1 Product Sub Family:	GDS Industrial Standard
Brand:	Hirschmann
Connector Type:	Field attachable
Side 1 Type of Contact/Gender:	Female
Connector Design:	Angled
Number of Pins:	3+PE (PE across cable outlet)
Coding, Side 1:	C
Shielding Type:	Unshielded
Attachment Type:	Central Screw
Voltage Rating:	250 V AC/DC
Rated Voltage (UL):	250 V
Rated Voltage (CSA):	300 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Current Rating:	6 A
Rated Current (UL)*:	6 A
Rated Current (CSA)*:	6 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	PG7
Cross Section:	0.25 - 0.75 mm²
Suitable Cables:	Ø 4.5 - 6 mm
Ambient Temperature (Operation)*:	-40 °C - +125 °C
Operating Temperature (UL):	max. + 65 °C
Operating Temperature (CSA):	max. + 65 °C
Protection Degree / IP Rating**:	IP65
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
Side 1 Contact Plating:	Cu/Sn
Contact Bearer Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-2

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
Flammability Class (Cable Gland):	UL 94 HB
Attachment Material:	Steel, Philips combi slot

Additional Technical Data

Fastening Torque (Contact Screw):	M3: (25-30) Ncm
Fastening Torque (Cable Gland):	(150-200) Ncm
Fastening Torque (Attachment):	(40-50) Ncm

Approvals

UL-File:	E95522
UL:	UL 1977; UR
VDE:	yes
CSA:	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
933024100	GDS 307 black

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