



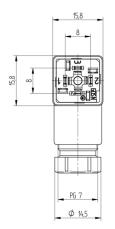
Product: GDSN 307 black ☑

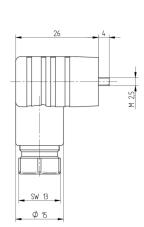
GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, black housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

## **Product Description**

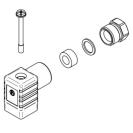
GM Industrial Standard Field Attachable Connector: Form C, 4-pin (3+1PE; PE across cable outlet), UL 1977, black housing, screw type, PG7; without circuitry, 230 V AC/DC, 6 A

## **Technical Drawing**

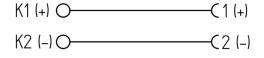


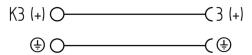


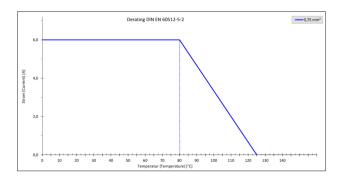












## **Technical Specifications**

## **Technical Data**

Product Family:	Valve Connectors	
Product Sub Family:	GDSN DIN 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:	С	
Shielding:	Unshielded	
Attachment Type:	Central Screw	
Rated Voltage:	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	
Rated Current*:	6 A	
Rated Current (UL)*:	6 A	
Rated Current (CSA)*:	6 A	
Contact Resistance:	≤ 10 mOhm	
Insulation Resistance:	> 10^9 Ohm	
Mating Cycles:	≤ 50	
Type of Connection:	Screw	
Cable Gland:	PG7	
Conductor Cross Section:	0.25 - 0.75 mm <sup>2</sup>	
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	
Design Standard:	DIN EN 175301-803-C, 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 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	

#### **Notes**

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	$^{\star\star}$ only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

#### Variants

Item #	Item Description
933023100	GDSN 307 black

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