

Product: [GSN 20](#)

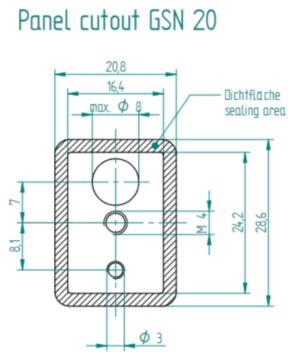
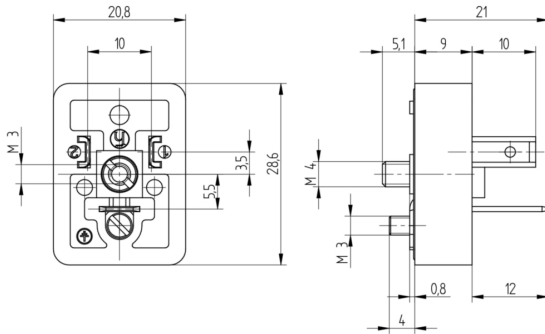


GSN - Male Receptacle Surface Mount, Form B DIN, Contacts: 2+PE, 250 V | 16 A; cURus 1977

Product Description

175301-803-B (DIN 43650-B): Male Receptacle Surface Mount, Form B, Contacts: 2+PE, 250 V | 16 A; cURus 1977

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Valve Connectors
Side 1 Product Sub Family:	GSN DIN Standard
Brand:	Hirschmann
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Number of Pins:	2+PE
Coding, Side 1:	B
Shielding Type:	Unshielded
Attachment Type:	1 hollow screw
Voltage Rating:	250 V
Rated Voltage (UL):	300 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Current Rating:	16 A
Rated Current (UL)*:	15 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm

Mating Cycles:	≤ 50
Type of Connection:	Solder / PE Screw
Cross Section:	0.08 - 1.5 mm²
Ambient Temperature (Operation)*:	-40 °C - +125 °C
Operating Temperature (UL):	max. + 90 °C
Protection Degree / IP Rating**:	IP65
Design Standard:	DIN EN 175301-803-B, 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
Side 1 Contact Plating:	Cu/Sn
Contact Bearer Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Color:	black

Additional Technical Data

Fastening Torque (Contact Screw):	(50-60) Ncm
Fastening torque (mounting screw):	(50-60) Ncm
Mount Type:	M4 (1x)
Accessories to Order Separately:	(NBR) flat gasket GSN 20-6, Part Number. 733275002

Approvals

UL-File:	E95522
UL:	UL 1977; UR
VDE:	yes
SEV:	yes

Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	*IP Rating test performed by Belden with Belden Connectors only
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description
932421100	GSN 20

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