



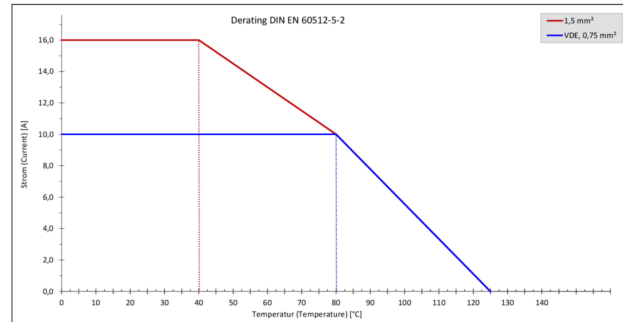
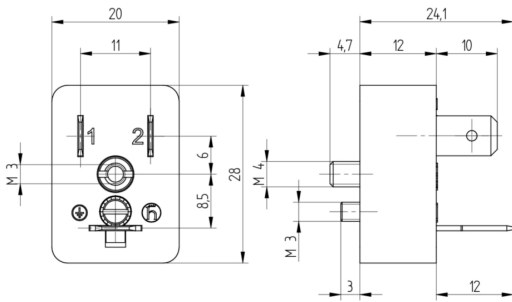
**Product:** [GSA 20](#)

GSA Industrial Standard Receptacle: Form B, 3-pin (2+1PE), UL 1977, black contact bearer, solder type (PE screw type); 230 V AC/DC, 16 A

**Product Description**

GSA Industrial Standard Receptacle: Form B, 3-pin (2+1PE), UL 1977, black contact bearer, solder type (PE screw type); 230 V AC/DC, 16 A

**Technical Drawing**



**Technical Specifications**

**Technical Data**

Product Family:	Valve Connectors
Product Sub Family:	GSA Industrial Standard
Brand:	Hirschmann
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	2+PE
Coding:	B
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	250 V AC/DC
Rated Voltage (UL):	300 V
Rated Voltage (CSA):	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	16 A
Rated Current (UL)*:	12 A
Rated Current (CSA)*:	10 A
Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Solder / PE Screw
Conductor Cross Section:	0.08 - 1.5 mm <sup>2</sup>
Ambient Temperature (Operation)*:	-40 °C - +125 °C
Operating Temperature (UL):	max. + 90 °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
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
Mounting:	M4 (1x)

## 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
931352100	GSA 20

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