

**Product:** [G 20 KW 3 F](#)

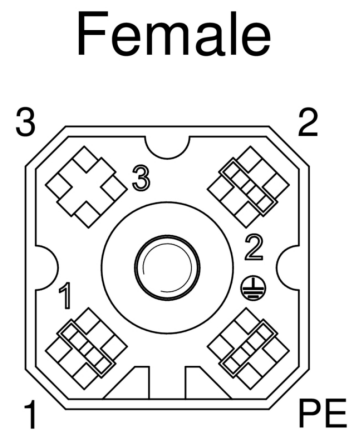
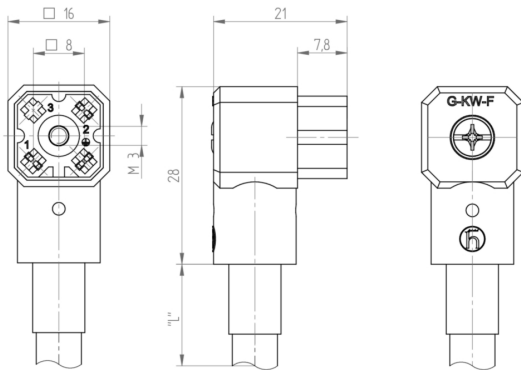
G Type - Female 90° | #Contacts: 3 | 250 V | Cable: Grey (PVC); 1.0 mm<sup>2</sup>; IEC



**Product Description**

G Type - Female Angled | #Contacts: 3 (2+PE) | 250 V / 10 A | Cable: Grey (PVC); 3x1.0 mm<sup>2</sup>; IEC

**Technical Drawing**



**Technical Specifications**

**Face View**

Pin 1	Pin 2	PE
brown	blue	green-yellow

**Technical Data**

Product Family:	Industrial Connectors
Side 1 Product Sub Family:	G Series
Brand:	Hirschmann
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	Angled (90°) Body
Number of Pins:	2+PE
Shielding Type:	Unshielded
Attachment Type:	Central Screw
Voltage Rating:	250 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Current Rating:	10 A
Side 1 Contact Resistance:	≤ 10 mOhm
Mating Cycles:	≤ 50
Type of Connection:	Solder

Cross Section:	1 mm <sup>2</sup>
Ambient Temperature (Operation)*:	-40°C to +90°C
Protection Degree / IP Rating**:	IP65
Side 1 Design Standard:	DIN EN 61984 (VDE 0627)
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1

## Materials

Contact Base Material:	Brass (CuZn)
Side 1 Contact Plating:	Copper-Tin Alloy (Cu/Sn)
Contact Bearer Material:	PA GF
Contact Bearer Color:	Grey
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Polyvinyl Chloride (PVC)
Molded Body Color:	Grey
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	4.8 , Fe/Zn B
Gasket Material:	Nitrile Butadiene Rubber (NBR)

## Additional Technical Data

Fastening Torque (Attachment):	M 3: (50-60) Ncm
Accessories to Order Separately:	Central Screw Stainless Steel: 732750003

## Cable Data

Cable Number:	H05VV-F 3G1
Conductor Size:	1 mm <sup>2</sup>
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Cable Jacket Material:	Polyvinyl Chloride (PVC)
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 7.1 mm
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Ambient Temperature (Fixed Installation):	-40 °C to +70 °C
Ambient Temperature (Flex Installation):	-5 °C to +70 °C

## Approvals

VDE:	VDE-Reg.-Nr.:3113
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## Safety & Environmental Compliance

RoHS Compliant:	Compliant
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## Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note:	Do not connect or disconnect under load.

## Variants

Item #	Item Description	Cable Length
932041002	G 20 KW 3 F 3m	3 m

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