

## Part Number: G 2 KW 1 F



### Product Description

### Technical Specifications

#### Technical Data

Product Family:	Power Connector
Product Sub Family:	G Series
Brand:	Hirschmann
Connector Type:	Cordset, single ended
Type of Contact / Gender:	female
Connector Design:	angled
Number of Pins:	2
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	50 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC/DC
Rated Current:	10 A
Contact Resistance:	≤ 10 mOhm
Mating Cycles:	≤ 50
Type of Connection:	solder
Ambient Temperature (Operation):	-40°C to +90°C
Protection Degree / IP Rating:	IP65
Design Standard:	DIN EN 61984 (VDE 0627)
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:	CuZn
Contact Plating:	Cu/Sn
Contact Bearer Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	PA GF
Molded Body Color:	black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	4.8 , Fe/Zn B
Gasket Material:	NBR

#### Additional Technical Data

Fastening Torque (Attachment):	M 3: (50-60) Ncm
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#### Cable Data

Cable Number:	H05RN-F 2X0.75
Conductor Size:	0.75 mm <sup>2</sup>
Number of Wires:	2
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	EM2
Cable Jacket Color:	black
Cable Diameter D:	ø 6.15 ±0.15 mm
Wire Insulation Material:	EI4
Ambient Temperature (Fixed Installation):	-30 °C to +60 °C
Ambient Temperature (Flex Installation):	-30 °C to +60 °C

## Approvals

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

RoHS Compliant:	yes
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## Notes

Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector.
Note Derating:	Notice derating
Note:	Do not connect or disconnect under load.

## Variants

Item #	Item Description	Cable Length
931494009	G 2 KW 1 F 1 1,5M	1.5 m
931494603	G 2 KW 1 F 1,5m	1.5 m
931494001	G 2 KW 1 F 5m	5 m

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