HIRSCHMANN
A BELDEN BRAND

Product: G 4 KW 1 F grey

G-Series Power Single-Ended Cordset: Female, angled, 4-pin, grey body, 50V AC/DC, 10 A; PVC grey cable, 0.75 mm²

Product Description

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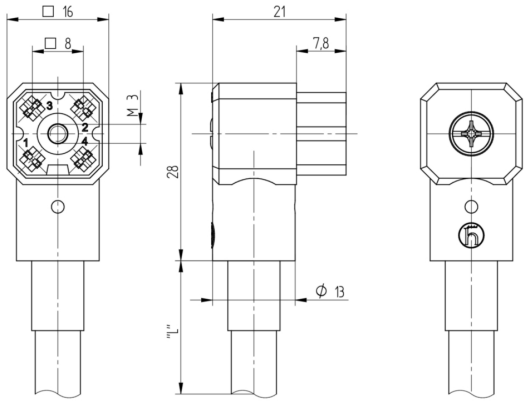
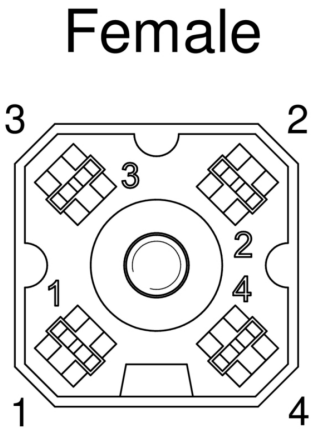
Technical Drawing





Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
white	yellow	black	violet

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:	4
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage:	50V 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:	grey
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	PA GF
Molded Body Color:	grey
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	4.8 , Fe/Zn B
Gasket Material:	NBR

Additional Technical Data

Fastening Torque (Attachment):	M 3: (50-60) Ncm
Mating Connectors / Fitting to:	G 4 E 1 M…, G 4 A 1 M…., G 4 A 5 M…
Accessories to Order Separately:	Central Screw Stainless Steel: 732750003

Cable Data

Cable Number:	XYMHY 4X0.75
Conductor Size:	0.75 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	grey
Cable Diameter D:	ø 7.4 ±0.15 mm
Wire Insulation Material:	PVC

Approvals

VDE:	VDE-Reg.-Nr.: 3113

Safety & Environmental Compliance

RoHS Compliant:	yes

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	Cable Length
931805602	G 4 KW 1 F 2m	2 m
19871	G 4 KW 1 F 3M	3 m

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