HIRSCHMANN
A BELDEN BRAND

Product: CA 3 LS

Circular Field Attachable Power Connector (CA Series): Male, straight, 4-pin(3+PE), integrated strain relief, 400 V AC/230 V DC, 16 A AC/10 A DC

Product Description

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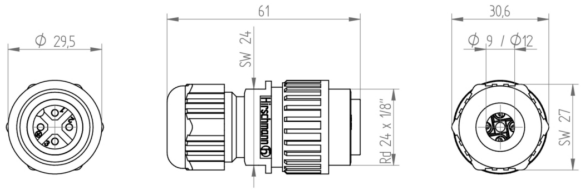
Technical Drawing



Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	CA-Series
Brand:	Hirschmann
Connector Type:	Field Attachable
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	4(3+PE)
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	250 V DC / 400 V AC
Rated Impulse Voltage:	6.0 kV
Operating Voltage:	230 V DC, 400V AC
Rated Current*:	10 A DC, 16 A AC (1.5 mm²)
Contact Resistance:	≤ 10 mOhm
Type of Connection:	screw terminal
Cable Gland:	TR22
Conductor Cross Section:	0.5 mm² to 2.5 mm²
Strain-Relief:	clamping cage
Suitable Cables:	Ø6 mm to Ø12 mm, Gasket Ø9 mm for cables with Ø6 - 9 mm, Gasket Ø12 mm for cables with Ø9 - 12 mm
Ambient Temperature (Operation)*:	-40°C to +90°C, notice derating

Temperature Range (Gasket):	-40°C to +90°C
Protection Degree / IP Rating**:	IP66, IP67
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/Ag
Contact Bearer Material:	PA 66 GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-0
Attachment Material:	PA 66 GF
Flammability Class (Attachment):	UL 94 V-0
Gasket Material:	NBR

Additional Technical Data

Fastening Torque (Contact Screw):	M3: (25-30) Ncm
Fastening Torque (Cable Gland):	TR22: min. 250 Ncm
Mating Connectors / Fitting to:	934-125-100 CA 3 LD (field attachable, straight), 934-129-100 CA 3 W LD (field attachable, angled), 932-321-100 CA 3 GD (receptacle, straight)
Accessories to Order Separately:	831-530-400: CA00 SD 1, cap

Approvals

UL-File:	E95522, Series CA 3
VDE:	VDE-Reg.-Nr. 2745

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	Housing Color	Housing Material	Cable Gland Material
934124100	CA 3 LS	black	PA 66	PA 66
934124102	CA 3 LS blau/blue	blue	PA 6	PA 6
934124101	CA 3 LS rot / red	red	PA 6	PA 6
934124107	CA 3 LS weiß / white	white	PA 6	PA 6

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