

Features

- Space-saving angled design - configuration increases pair density by up to 40 % when compared to older types of connector blocks, while providing improved access to protector modules
- Front-facing cross-connect (jumper) and angled test field - reduced cross-connect (jumper) installation time plus easy access to test field
- Industry-standard configuration accepts all standard 303-type protector modules
- Multiple grounding options - choice of frame, independent or isolated grounding

Model C(G)-390 100-Pair Connector

Bourns® C(G)-390 Central Office Connector has an efficient and space-saving design that provides up to 40 % greater pair density when compared to older types of connectors. These connectors also incorporate an angled mounting to improve access to the protector modules. They may be used on central office mainframes, wall-mounted and free-standing modular frames and Private Automatic Branch Exchange (PABX) grids. The C(G)-390 connector provides a comfortable working space between frame verticals and does not extend beyond the guard rail on standard frames.

The 279 mm high (11 inch) design reduces jumper running time with a front-facing jumper field. The jumper field is arranged in 5-pair groups that are clearly identified and numbered for easy identification. The integral front and rear fanning strips encourage neat and orderly wiring for quick installation and easier maintenance. In addition, the angled test field allows superior accessibility without interfering with rolling ladders.

The stub cable and jumper wire terminations are completed using wire wrap technology. Connectors equipped with a stub cable are shipped in the stub-down orientation. The stub direction may be reversed in the field as required.

The C(G)-390 connector accepts the full line of industry-standard 303-type, 5-pin protector modules including Bourns® hybrid, solid-state and gas tube modules. The protector module contacts in the C(G)-390 connector are available with either tin-alloy or gold-plating. Accordingly, the plating on the pins of the protector modules should match the connector to ensure optimal performance.

Specifications

Plastic Materials

Main Body Polycarbonate, ivory, UL 94V-0

Metal Parts

Mounting Hardware..... Steel, zinc-plated

Current-Carrying Components..... Copper or copper alloys, tin-plated

Cable Stub

Description 22 or 24 AWG, 100-pair; bonded PVC jacket, stub down

Pressure..... Unpressurized

Termination Wire-wrap

Grounding #10 AWG cable ground (drain wire) to mounting bracket

Resistance <5 milliohms (from cable shield bond to connector ground reference)

Cross-Connect (Jumper) Connections

Termination Wire-wrap

Contact Resistance..... < 2 milliohms

Dielectric Strength..... > 1500 VDC and >1000 VAC @ 50-60 Hz for two minutes

Insulation Resistance..... > 30 megohms @ 1000 VDC

Environmental Conditions..... Operating environment with temperature ranging from 0 °C (+32 °F) to +50 °C (+122 °F) up to 95% R.H.

Temperature Characteristics

High Temperature +60 °C (+140 °F) without deformation

Frame Vertical Capacities

Height 2.13 m (7.0 ft.) 600 pairs

Height 2.44 m (8.0 ft.) 700 pairs

Height 2.74 m (9.0 ft.) 800 pairs

Height 3.51 m (11.5 ft.) 1100 pairs

Height 4.27 m (14.0 ft.) 1400 pairs

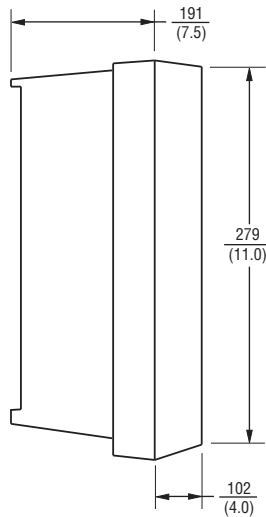
Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Model C(G)-390 100-Pair Connector

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Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Packaging Specifications

Product Code	Std. Pack	Stub Length m (ft.)	Size (H x W x D) mm (in.)	Weight kg (lb.)
Stubless				
390-0xx000	1	0	150 x 380 x 300 (6 x 15 x 12)	2.7 (6.0)
22 AWG Stub				
390-0xx03	1	9.1 (30)	790 x 790 x 150 (31 x 31 x 6)	12.7 (28)
390-0xx05	1	15.2 (50)	790 x 790 x 150 (31 x 31 x 6)	19.1 (42)
390-0xx08	1	24.4 (80)	790 x 790 x 150 (31 x 31 x 6)	29.1 (64)
390-0xx10	1	30.5 (100)	790 x 790 x 300 (31 x 31 x 12)	35.9 (79)
390-0xx15	1	45.7 (150)	790 x 790 x 300 (31 x 31 x 12)	52.3 (115)
390-0xx20	1	61.0 (200)	790 x 790 x 300 (31 x 31 x 12)	69.1 (152)
24 AWG Stub				
390-0xx03	1	9.1 (30)	790 x 790 x 150 (31 x 31 x 6)	9.5 (21)
390-0xx05	1	15.2 (50)	790 x 790 x 150 (31 x 31 x 6)	14.1 (31)
390-0xx08	1	24.4 (80)	790 x 790 x 150 (31 x 31 x 6)	20.9 (46)
390-0xx10	1	30.5 (100)	790 x 790 x 300 (31 x 31 x 12)	25.9 (57)

How to Order

Product Code	Part Number	Description
Stubless		
390-0A000	A0344570	C-390 Connector, 100 pair, tin, stubless
390-0B000	A0344595	CG-390 Connector, 100 pair, gold, stubless
Tin, 22 AWG Stub		
390-0A403	A0344565	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 30 ft, stub down
390-0A405	A0344567	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 50 ft, stub down
390-0A408	A0344568	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 80 ft, stub down
390-0A410	A0344569	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 100 ft, stub down
Gold, 22 AWG Stub		
390-0B403	390-0B403	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 30 ft, stub down
390-0B405	390-0B405	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 50 ft, stub down
390-0B408	390-0B408	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 80 ft, stub down
390-0B410	390-0B410	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 100 ft, stub down

Note: A full range of protector modules, mounting bar assemblies, testing connector and cords are available for the C(G)-390 connector. Protector modules must be ordered separately.

Note: Order by Part Number.

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Model C(G)-390 100-Pair Connector

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How to Order (Continued)

Product Code	Part Number	Description
<i>Tin, 24 AWG Stub, Bonded Cable</i>		
390-0A303	A0344553	C-390 Connector, 100 pair, tin, 24 AWG, 30 ft, stub down
390-0A305	A0344555	C-390 Connector, 100 pair, tin, 24 AWG, 50 ft, stub down
390-0A308	A0344556	C-390 Connector, 100 pair, tin, 24 AWG, 80 ft, stub down
390-0A310	A0344557	C-390 Connector, 100 pair, tin, 24 AWG, 100 ft, stub down
<i>Gold, 24 AWG Stub, Bonded Cable</i>		
390-0B303	390-0B303	CG-390 Connector, 100 pair, gold, 24 AWG, 30 ft, stub down
390-0B305	390-0B305	CG-390 Connector, 100 pair, gold, 24 AWG, 50 ft, stub down
390-0B308	390-0B308	CG-390 Connector, 100 pair, gold, 24 AWG, 80 ft, stub down
390-0B310	390-0B310	CG-390 Connector, 100 pair, gold, 24 AWG, 100 ft, stub down

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REV. D 09/15

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