



BOURNS®

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 HardwareSteel, zinc-plated

Current-Carrying ComponentsCopper or copper alloys, tin-plated

Cable Stub

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

PressureUnpressurized

TerminationWire-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

TerminationWire-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 ConditionsOperating 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

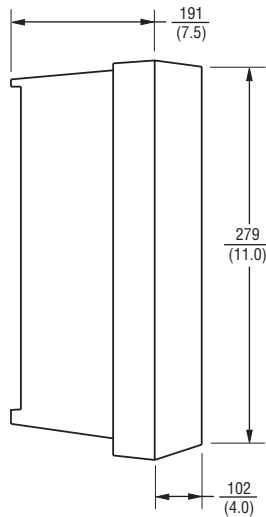
Height 3.51 m (11.5 ft.)1100 pairs

Height 4.27 m (14.0 ft.)1400 pairs

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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)
390-0xx15	1	45.7 (150)	790 x 790 x 300 (31 x 31 x 12)	37.3 (82)
390-0xx20	1	61.0 (200)	790 x 790 x 300 (31 x 31 x 12)	49.1 (108)

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.

Model C(G)-390 100-Pair Connector

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How to Order (Continued)

Product Code	Part Number	Description
Tin, 24 AWG Stub		
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
Gold, 24 AWG Stub		
390-0B103	A0344578	CG-390 Connector, 100 pair, gold, unbonded, 24 AWG 30 ft stub down
390-0B105	A0344580	CG-390 Connector, 100 pair, gold, unbonded, 24 AWG 50 ft stub down
390-0B108	A0344581	CG-390 Connector, 100 pair, gold, unbonded, 24 AWG 80 ft stub down
390-0B110	A0344582	CG-390 Connector, 100 pair, gold, unbonded, 24 AWG 100 ft stub down

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