

## 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

CNI 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 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

Comtest Networks Inc. (CNI)

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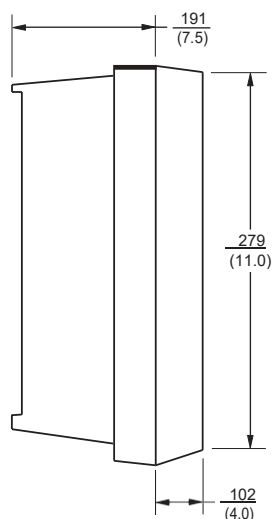
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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# Model C(G)-390 100-Pair Connector

## 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.)
<b>Stubless</b>				
390-0x000	1	0	150 x 380 x 300 (6 x 15 x 12)	2.7 (6.0)
<b>22 AWG Stub</b>				
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)
<b>24 AWG Stub</b>				
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
<b>Stubless</b>		
390-0A000	<b>A0344570</b>	C-390 Connector, 100 pair, tin, stubless
390-0B000	<b>A0344595</b>	CG-390 Connector, 100 pair, gold, stubless
<b>Tin, 22 AWG Stub</b>		
390-0A403	<b>A0344565</b>	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 30 ft, stub down
390-0A405	<b>A0344567</b>	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 50 ft, stub down
390-0A408	<b>A0344568</b>	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 80 ft, stub down
390-0A410	<b>A0344569</b>	C-390 Connector, 100 pair, tin, 22 AWG, bonded, 100 ft, stub down
<b>Gold, 22 AWG Stub</b>		
390-0B403	<b>390-0B403</b>	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 30 ft, stub down
390-0B405	<b>390-0B405</b>	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 50 ft, stub down
390-0B408	<b>390-0B408</b>	CG-390 Connector, 100 pair, gold, 22 AWG, bonded, 80 ft, stub down
390-0B410	<b>390-0B410</b>	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

### How to Order (Continued)

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