GE Series 90-30 Series Service Manual

IC693CBL328

1. Description

The IC693CBL328 is a quick-connect, I/O interface in right angle orientation. It has 24-pin connectors that are used in replacement to the IC693CBL315. This cable has a length of 10 feet or 3 meters with flying leads on the other end for connection to user-supplied terminals.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Manufacturer	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC693CBL328**
Series	**Series 90-30**
Description	**Terminal block connection cable**
Part	**Number IC693CBL328**
Length	**3 meters**
Product	**Description High Density I/O cable**
Connector	**Type Right angle 24-Pin D-Connector**
No.	**of pins 24**
Cable	**Shield Unshielded**
Individual	**wire size #24 AWG**
Current	**rating 1.2 Amperes**
Device	**that the Cable Replaces Obsolete Straight Connector Cables**
PLC	**Side Connector 24-pin connector**
Tracer	**Color Black**
Field	**side connector Flying leads**
Wire	**Pair Type Solid Color**
Connector	**orientation Right Angle**
Product	**Lifecycle Status* Discontinued/Obsolete**
Connector	**compatibility Fujitsu FCN-365S024-AU**
Cable	**Length 10 feet (3 meters)**
Connector	**clearance (Depth) 2.0”**
Replaced	**cable IC693CBL315**
Compatible	**I/O modules 32-pt, 16-pt I/O modules**
The	**IC693CBL328 is an Input and Output interface module. This cable is used with High-Density I/O modules specifically, Thirty-Two (32) point**

3. Product Information

The IC693CBL328 is a quick-connect, I/O interface in right angle orientation. It has 24-pin connectors that are used in replacement to the IC693CBL315. This cable has a length of 10 feet or 3 meters with flying leads on the other end for connection to user-supplied terminals.

Technical specifications for IC693CBL328

Brand GE Fanuc

Series Series 90-30

Manufacturer GE Fanuc (Former); Emerson Automation (Current)

Part Number IC693CBL328

Series Series 90-30

Description Terminal block connection cable

Part Number IC693CBL328

Length 3 meters

Product Description High Density I/O cable

Connector Type Right angle 24-Pin D-Connector

No. of pins 24

Cable Shield Unshielded

Individual wire size #24 AWG

Current rating 1.2 Amperes

Device that the Cable Replaces Obsolete Straight Connector Cables

PLC Side Connector 24-pin connector

Tracer Color Black

Field side connector Flying leads

Wire Pair Type Solid Color

Connector orientation Right Angle

Product Lifecycle Status* Discontinued/Obsolete

Connector compatibility Fujitsu FCN-365S024-AU

Cable Length 10 feet (3 meters)

Connector clearance (Depth) 2.0”

Replaced cable IC693CBL315

Compatible I/O modules 32-pt, 16-pt I/O modules

The IC693CBL328 is an Input and Output interface module. This cable is used with High-Density I/O modules specifically, Thirty-Two (32) point modules that use the Fujitsu 24-pin user I/O connector. It is used with Series 90-30 Programmable Logic Controller (PLC) series that is formerly from GE Fanuc Automation, currently by Emerson Automation. Series 90-30 PLC that utilize the mentioned Fujitsu connectors are IC693MDL654, IC693MDL655, IC693MDL752, and IC693MDL753. The IC693CBL328 connector on one end is in right-angle orientation while the other end of the cable is a set of stripped wires or flying leads. For direct wiring method, the IC693CBL328 is paired with the IC693CBL327 This cable has a length of 10 feet or 3 meters which can be used for quick connection to high-density I/O module and user-supplied I/o terminals, whether individual standard terminal blocks or compact, Printed Circuit Board (PCB) based terminals. The IC693CBL328 lowers the probability of incorrect wiring as the pre-assembled cables are wired end-to-end where Pin A1 is connected to Pin A1 and so on. The end connector automatically fits and easily snaps to the connection port of the high-density I/O. With the provided wire guide and color-coding, users can easily identify the pin connections of the stripped wires on the other end, which simplifies wire tagging. With the 3-meter length of this cable, external I/O terminals can be placed anywhere on the enclosure whether designed for Top entry, Bottom entry, or even installed to an adjacent I/O marshaling panel for strategic wiring implementation. With right side orientation, this cable clearance requirement is compared to straight cables.

The IC693CBL328 cable is a right-side terminal block connection cable manufactured by GE Fanuc. The cable is 3 meters or 10 feet in length. It comes with two 24-pin 90-degree or right-angle connectors. It provides a reliable and secure connection between devices. The cable is mostly used with I/O faceplate adapter or I/O modules. The cable can be used to connect with several of the GE IC693 and IC694 programmable controller high-density modules that have a pair of Fujitsu 24-pin connectors for user connections. The IC693 PLC system is a 30-Watt rated power supply designed for nominal input. It is mounted on a PLC baseplate. This cable replaces the older cable that was designed with a straight connector which is obsolete now. The IC693CBL328 cable comes with an improved right-angle connector that meets the needs of a modern PLC system. One end of this cable has a female connector and another end of the cable is tinned. This unshielded cable pair has a robust build and it is highly flexible. Although the cable is fully compatible with all of the GE Fanuc IC694 series modules and most of the IC693 series modules, the cable should not be used with the IC693 Axis positioning module. The IC693CBL328 cable’s wire pair has a solid color with a black tracer. The cable needs more clearance during the installation than the straight connector. The IC693CBL328 cable should be kept away from heat and direct sunlight. EMC noise is also known to reduce the performance of the cable, so the cable should not be exposed to such noise. This cable is an accessory that is easy to install and replace.