GE Series 90-30 Series Service Manual

IC693ACC336

1. Description

The IC693ACC336 is an auxiliary terminal board that is part of the Series 90-30 Programmable Logic Controller (PLC) platform, formerly manufactured by GE Fanuc, now under Emerson Automation. This module has 36 pin connectors that is used with the DSM302 and DSM314 module. This terminal is used with analog servos, providing screw terminals for wiring to a third-party servo amplifier and I/O components providing screw

2. Specifications

Specification	Value
Brand	**Eaton Cutler-Hammer**
Series	**Series 90-30**
Manufacturer	**GE Fanuc**
Manufacturer:	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC693ACC336**
Series	**Series 90-30**
Part	**Number IC693ACC336**
DIN	**Rail Dimensions 125 x 48 x 45 millimeters**
Product	**Description Auxiliary Terminal Block**
Compatible	**Devices DSM302 / DSM314**
Cable	**Lengths 1 meter or 3 meters**
Compatible	**Module DSM314 Motion Mate**
Primary	**functions Connect to third party analog servo and I/O; Connect to Auxiliary Axis I/O on DSM connector B, C or D**
Product	**Type Auxiliary terminal module**
Compatible	**Servo terminal board IC693ACC335**
No.	**of terminals 36**
Connector	**38 terminals**
Compatible	**Cables IC693CBL324: 1 meter terminal board connection I/O cable IC693CBL325: 3 meter terminal board connection I/O cable**
Terminal	**type Screw terminal**
Compatible	**Components PLC**
Voltage	**ratings: 30 VDC, max: Terminals 16-18; 34-36 5 VDC, max: Rest of terminals**
Voltage	**rating Terminals 16-18 / 34-36: 30 VDC, maximum Remaining input terminals: 5 VDC**

3. Product Information

The IC693ACC336 is an auxiliary terminal board that is part of the Series 90-30 Programmable Logic Controller (PLC) platform, formerly manufactured by GE Fanuc, now under Emerson Automation. This module has 36 pin connectors that is used with the DSM302 and DSM314 module. This terminal is used with analog servos, providing screw terminals for wiring to a third-party servo amplifier and I/O components providing screw

Technical specifications for IC693ACC336

Brand Eaton Cutler-Hammer

Series Series 90-30

Manufacturer GE Fanuc

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

Part Number IC693ACC336

Series Series 90-30

Part Number IC693ACC336

DIN Rail Dimensions 125 x 48 x 45 millimeters

Product Description Auxiliary Terminal Block

Compatible Devices DSM302 / DSM314

Cable Lengths 1 meter or 3 meters

Compatible Module DSM314 Motion Mate

Primary functions Connect to third party analog servo and I/O; Connect to Auxiliary Axis I/O on DSM connector B, C or D

Product Type Auxiliary terminal module

Compatible Servo terminal board IC693ACC335

No. of terminals 36

Connector 38 terminals

Compatible Cables IC693CBL324: 1 meter terminal board connection I/O cable IC693CBL325: 3 meter terminal board connection I/O cable

Terminal type Screw terminal

Compatible Components PLC

Voltage ratings: 30 VDC, max: Terminals 16-18; 34-36 5 VDC, max: Rest of terminals

Voltage rating Terminals 16-18 / 34-36: 30 VDC, maximum Remaining input terminals: 5 VDC

Mounting DIN Rail

MOV: 6 130V MOV (Terminals 16,17,18,34,35 and 36)

Applicable wire size AWG 14-18

Supported Expansion Cables The IC800CBL324 and IC800CBL325

Wire size: 14-28 AWG

Cable connectors for DSM side IC693CBL324/325

Screw Torque 5 lb-in

Cable connectors for servo amplifiers IC800CBL001 / 002

Compatible devices Analog Servos: Analog servo amplifier and I/O device Auxiliary axes: Strobe sensors, Home switches, and Overtravel Limit switches

Tightening torque 5 inch-pounds

Mounting: DIN Rail / Panel Mount

Mounting DIN Rail (default); Panel Mounting (optional)

Dimensions (HxW): 4.95" or 125 mm x 1.8"or 45 mm (Width)

Panel Mounting accessories 2 side elements with catalog number; Mounting ear with catalog number UMK 45-SES

Product Lifecycle Status Discontinued/Obsolete

Dimensions Din Rail Mount (HxW): 1.95" (48mm) x 4.95" (125mm) Panel mount (HxW): 1.65" (42mm) x 5.6" (141mm)

Product lifecycle Active

The IC693ACC336 is an auxiliary terminal block from that is an accessory module from the Series 90-30 Programmable Logic Controller (PLC) platform by Emerson Automation, previous manufactured by GE Fanuc. This hardware is specifically an auxiliary terminal block that is used with the Motion mate DSM32 and DSM314. It provides remote wiring connections with analog servos, providing screw terminals for wiring I/O signals to a third-party servo amplifier unit and corresponding I/O components when configured in analog mode. It is also used to interface Strobe sensors, home switches, and Overtravel Limit switches to the DSM Connector B, C, or D when operating in analog or digital mode. The screw terminals of the IC693ACC336 have different voltage ratings. Specifically, terminals 16-18 and 34-36 are designed to be applied with a maximum voltage of 30 VDC while remaining input terminals are rated 5 VDC. Between the selected I/O terminals and the shield or frame ground, a Metal Oxide Varistor (MOV) is recommended to be applied installed to implement noise suppression. Recommended wire size for termination of input voltages and signals are wire gauge 14-18Ameriacan Wire Gauge (AWG) applied with a tightening torque of 5 inch-pounds per terminal. Cable shields of filed devices shall be terminated to the Shield terminal of this auxiliary terminal block marked as S. The IC693ACC336 supports DIN rail and panel mounting as an option. By default, this board is configured for DIN rail mounting. Components that are part of this terminal include a PCB carrier or the main board with part number UM45 Profil 105.25; 2 Side element with foot with catalog number UM 45-SEFE with 2 screws. When intended for panel mounting, components needed are 2 Side Element with catalog number UMK 45-SES with 2 screws and a mounting ear with catalog number UMK-BF.

The IC693ACC336 module is an auxiliary terminal module that is made by GE Fanuc. This terminal module is generally used on DSM314 motion mate devices, which is part of the Series 90-30 PLC systems by GE Fanuc. There are 2 different types of terminal modules used to connect the DSM302 devices and these are the auxiliary and servo axis modules. The motion mate devices connect to programmable logic controllers or PLCs through 36-pin connectors. Additionally, the DSM302 devices can connect to a PLC with either a 1-meter IC800CBL324 cable, or a 3-meter IC800CBL325 cable. Users are advised not to replace these cables with customized versions. The IC693ACC336 auxiliary terminal module by GE Fanuc should be connected to the 2 slots at the left side of the motion mate board, and these slots are Aux Axis 3 and 4. The IC693ACC336 auxiliary terminal module allows the

DSM302 devices to connect with other auxiliary devices. These devices can either be strobe detectors, external switches, or incremental quadrature encoders. The IC693ACC336 auxiliary terminal module by GE Fanuc from Series 90-30 comes with 38 connecting screw terminals. The maximum recommended voltage for I/O terminals 16 to 18 is +30 Volts DC, whereas the maximum recommended voltage for the other terminals is +5 Volts DC. Two of the 38 screw terminals have an S symbol marking, and one of the terminals must be connected to a ground-earth pane. Users have 2 options when they want to mount the IC693ACC336 auxiliary terminal module. It fits perfectly onto a DIN rail mounting base with the following dimensions: 125 x 48 x 45 millimeters. When installing the terminal module, conversion is made possible by using a panel.