

Allen-Bradley 1769 Series Service Manual

1769-ECR

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Brand	Allen-Bradley
Series	CompactLogix
Part	Number/Catalog No. 1769-ECR
Module	Type Right End Cap
Product	Line CompactLogix
Current	draw at 5.1V DC 5 mA
Module	Type Right End Cap Module
Current	draw at 24V DC 0 mA
Operating	altitude 2000 m (6562 ft)
Shipping	Weight 2 lbs.
North	American temp code T3C
Shipping	Dimensions 8X8X5 in.
IEC	temp code T4
Series	A and B
Shipping	weight, approx 130 g (0.286 lb)
Operating	Temperature 0 -60 °C or 32-140 °F
Enclosure	type rating None (open style)
Maximum	Bus Current Draw 5 mA at 5 volts DC
Removal	and Insertion Under Power (RIUP) Not supported
Backplane	Current 1.4 Amps at 24 Volts
Operating	Vibration 5 g, 10...500 Hz
Power	Consumption 38.6 Watts
Operating	Shock DIN rail mount: 20 g; Panel mount: 30 g
Power	Dissipation 7.5 Watts
UPC	10662468993040
UNSPSC	32151703 Description
The	Allen-Bradley 1769-ECR is a Right End Cap (ECR) module that is used with the CompactLogix controller series. This modul

3. Product Information

Mfr. Part Number:

1769-ECR

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1769-ECR CompactLogix Right End Cap/Terminator

Full Description: Allen-Bradley 1769-ECR CompactLogix Right End Cap/Terminator; Bus Current Draw, max: 5 mA at 5V DC; Operating altitude: 2000 m (6562 ft)

UPC / GTIN: 10662468993040

Status: Current Product The 1769-ECR is a Right End Cap (ECR) module that is used with the CompactLogix product family. This module is installed at the right sight of the last module of a CompactLogix assembly. It has a current draw of 5 mA at 5.1 VDC, weighs 130 g (0.286 lb) with open style enclosure. Technical specifications for 1769-ECR

Manufacturer Rockwell Automation

Brand Allen-Bradley

Brand Allen-Bradley

Series CompactLogix

Part Number/Catalog No. 1769-ECR

Module Type Right End Cap

Product Line CompactLogix

Current draw at 5.1V DC 5 mA

Module Type Right End Cap Module

Current draw at 24V DC 0 mA

Operating altitude 2000 m (6562 ft)

Shipping Weight 2 lbs.

North American temp code T3C

Shipping Dimensions 8X8X5 in.

IEC temp code T4

Series A and B

Shipping weight, approx 130 g (0.286 lb)

Operating Temperature 0 -60 °C or 32-140 °F

Enclosure type rating None (open style)

Maximum Bus Current Draw 5 mA at 5 volts DC

Removal and Insertion Under Power (RIUP) Not supported

Backplane Current 1.4 Amps at 24 Volts

Operating Vibration 5 g, 10...500 Hz

Power Consumption 33.6 Watts

Operating Shock DIN rail mount: 20 g; Panel mount: 30 g

Power Dissipation 7.5 Watts

UPC 10662468993040

UNSPSC 32151703 Description

The Allen-Bradley 1769-ECR is a Right End Cap (ECR) module that is used with the CompactLogix controller series. This module functions as a bus terminator, terminating the FlexBus circuitry, signaling the end of the CompactLogix assembly. This module is necessary to qualify the CompactLogix configuration. The 1769-ECR features a current draw of 5 mA at 5.1 VDC. It has an operating altitude of 2000 m or 6562 ft and approximately weighs 130 grams or 0.286 lb. It has an open style enclosure rating, an operating temperature of 0 -60 °C or 32-140 °F) while the storage temperature is -40 to 85 °C (-40 to 185 °F and relative humidity of 5-95%, non-condensing. It must be installed at a location with vibration not exceeding 5 g, 10-500 Hz. It also has an operating shock rating of 20g when DIN rail is mounted and 30g when the CompactLogix system is directly mounted to the enclosure. The 1769-ECR must only be installed or removed when power is removed from the system. Removal or insertion under power will cause controller error and stoppage which is not desirable especially with a functional and actively operating system. To install the 1769-ECR, the bus lever must be lifted from its engaged position. Once done, align the ECR module along with the guide slots and gently push the ECR module until it is adjacent and in line with the CompactLogix module. Engaged the bus lever to connect the ECR module and close the FlexBus. If resistance is felt during the engagement of the bus lever, inspect if the ER is properly aligned to the module and the guide slot.

The Allen-Bradley 1769-ECR is a right end cap or terminator that terminates the end of the communication bus of a 1769 controller. It has a maximum bus current draw of 5 mA at 5V DC. It comes with an operating altitude of 6562 feet and an approximate shipping weight of 0.286 lbs. It has an open-type enclosure to ensure safety and it can adapt to certain conditions to reduce the risk of fire and injury. To meet health and safety requirements, the 1769-ECR should be installed with IP54 protection when applied in zone 2 environments because it has no tolerance for sunlight and other UV radiation sources. The 1769-ECR has an operating temperature of 32 - 140 deg. F tested in cold, dry heat, and thermal shock environments. It has a non-operating temperature of 40 - 185 deg. F tested unpackaged during cold, dry heat, and thermal shock. The also 1769-ECRhas a 5 - 95% noncondensing relative humidity and its vibration reaches 5 g at 10 - 500 Hz tested during operating. It has an operating shock is 20 g on a DIN rail mount and 30 g on a panel mount. Its non-operating shock is 30 g on a DIN rail and 40 g on a Panel mount.

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