C-Series
REMOTE OPERATED CIRCUIT BREAKER

The C-Series remote operated circuit breaker consists of a custom designed remote operated motor module (housed within a circuit breaker molding) coupled to a C-Series hydraulic-magnetic circuit breaker. The remote operated circuit breaker (ROCB) offers the convenience of remote ON, OFF, and Reset capability combined with the safety and accuracy of a standard magnetic current sensing device. This allows operation of the circuit breaker from various locations in a system, facility or site without sacrificing the ability to manually operate the breaker if required. Service, diagnostics, load shedding and power distribution control functions can now be performed in areas that were previously unattended, inaccessible.

The ROCB module can be mounted on either side of the host breaker, while occupying only the width of a standard C-Series pole. Several interface methods are available.

Resources:
Configure a Complete Part
Download CAD & Sales Drawing

Product Highlights:
• ON-OFF and trip indication
• Load shedding
• Energy management
• Compact size
• Automatic reset capable
• Choice of interface styles
• Panel mounting
• Manual Operation Override
• Fits into industry standard cut-out

ROCB Motor Specifications:
• Voltage input: 12 VDC to 80 VDC
• Start current: < 1 amp
• Switching time: < 2 seconds
• Operating Temperature: -25°C to 80°C
To order a remote operated circuit breaker, add / plus the remote module part number to the end of the C-Series circuit breaker catalog number. ex. CA1BO24620121C/RB1110BU1C

Match color & mounting inserts of breaker.

*Manufacturer reserves the right to change product specification without prior notice.
INTEGRAL CONNECTOR

USE MOLEX P/N'S 87369-0400 (HOUSING) AND 50512 (PINS) (NOT SUPPLIED)

DUAL ROW CONNECTOR
USE AMP CONNECTOR P/N'S 172167-1 (HOUSING) AND 770988-1/171639-1 (PINS) (NOT SUPPLIED)

WIRE LEADS

#6-32(M) THREAD X .194 (4.95) DEEP (2 PLC'S PER POLE)

2.500 [63.50]
2.062 [52.37]
1.438 [36.52]

.750 [19.05]

30°
60°

.150 [3.81]

INTEGRAL CONNECTOR VERSION

CONNECTOR WITH LEADS

REMOTE OPERATOR MODULE

CUSTOMER SUPPLIED FORM C SWITCH OR RELAY

CUSTOMER SUPPLIED VOLTAGE SOURCE

OFF

ON

.760 [19.30]

1.520 [38.11]

2.280 [57.91]

3.040 [77.22]

.156 DIA. [3.96]

.432 [10.97]

.428 [10.87]

.432 [10.97]

.428 [10.87]

.750 [19.05]

3 POLE

2 POLE

1 POLE

ROCB

TOLERANCES ±.005 [0.12]

Notes:
1 All dimensions are in inches [millimeters].
2 Tolerance ±.020 [0.51] unless otherwise specified.
Wire Instructions

CATALOG INTERFACE OPTION 1 (FLYING LEADS)
WIRING INSTRUCTIONS

- RED
- BLACK

ROCB

CUSTOMER INTERFACE

DC Source

ON

C

CATALOG INTERFACE OPTION 2 (INTEGRAL CONNECTOR)
WIRING INSTRUCTIONS

- USE MOLEX P/Ns 87369-000 (HOUSING)
- AND 50212 (PINS)
- (NOT SUPPLIED)

ROCB

CUSTOMER INTERFACE

DC Source

ON

C

CATALOG INTERFACE OPTION 3
(FLYING LEADS WITH 4 PIN DUAL ROW CONNECTOR)
WIRING INSTRUCTIONS

- USE AMP P/Ns 172167-1 (HOUSING)
- AND 770988-1/171639-1 (PINS)
- (NOT SUPPLIED)

ROCB

CUSTOMER INTERFACE

DC Source

ON

C

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Wire Instructions

CATALOG INTERFACE OPTION 1 (FLYING LEADS)
WIRING INSTRUCTIONS

ROCB

CATALOG INTERFACE OPTION 2 (INTEGRAL CONNECTOR)
WIRING INSTRUCTIONS

ROCB

CATALOG INTERFACE OPTION 3
(FLYING LEADS WITH FEMALE 4 PIN DUAL ROW CONNECTOR)
WIRING INSTRUCTIONS

ROCB

CATALOG INTERFACE OPTION 4
(FLYING LEADS WITH MALE 4 PIN DUAL ROW CONNECTOR)
WIRING INSTRUCTIONS

ROCB
Authorized Sales Representatives and Distributors

Click on a region of the map below to find your local representatives and distributors or visit www.carlingtech.com/findarep.

About Carling

Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With four ISO registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit www.carlingtech.com/company-profile.

To view all of Carling’s environmental, quality, health & safety certifications please visit www.carlingtech.com/environmental-certifications
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