

Open & Enclosed Motor Protection Circuit Breakers



Solutions

Ideal for Use in Multi-Motor Applications – Providing Space Savings, Labor Savings, and Cost Savings

c3controls' Series 330 Motor Protection Circuit Breakers provide reliable overload and short circuit protection for all your motor control applications and are ideal for use in multi-motor applications. They install on a standard 35mm DIN rail and work with a variety of accessories to make wiring as easy as possible.

ARTICLE 430 PART VII - NFPA 70		
	To Supply	NEC Part
Motor disconnecting means		Part IX
Motor branch-circuit, short circuit, and ground-fault protection		Part IV
Motor circuit conductor		Part II
Motor controller		Part VII
Motor control circuits		Part VI
Motor overload protection		Part III
Motor		Part I

Multi-Function Device

Our Series 330 MPCBs are certified as Manual Motor Controllers Suitable as Motor Disconnects, can be used in Group Motor Installations, and can be used to manually control individual motors and protect them against overload and short circuit currents.



Self-Protected Type E

Listed as a UL 60947-4-1A Type E self-protected combination Manual Motor Controller for circuits capable of delivering up to 50kA @ 460V.



Seamless Compatibility

The modular design of our Series 330 MPCB allows for direct mounting onto Series 310 (9A to 40A) AC/DC Contactors and Series 300 and 310 AC/DC Miniature Contactors.



Adjustable Current Setting

Full load current adjustment ratio enables overload relay to be set to exact FLA of motor. Provides phase protection for the motor against overload currents.



Visible Markings

High visibility labels and markings; dual IEC and NEMA terminal markings for ease of wiring anywhere in the world.



Circuit Isolation

The "ON/OFF" manual operator enables individual motor circuits to be easily isolated without having to disconnect all of the circuits in a control panel.



Modular Design

Modular design allows Series 330 Motor Protection Circuit Breakers to be easily used with the complete range of Series 300 Contactors and accessories.



Space Savings

Control panel sizes can be reduced because the short circuit protection provided by the Series 330 enables individual motor branch circuit fuses or circuit breakers and overload relays to be eliminated.

Range

A Wide Range of Features, Functionality, and Performance for the Most Demanding Applications

Motor protection circuit breakers provide overload, phase-loss and short circuit protection, can be used by themselves as manual motor controllers or with contactors in group motor installations, and can achieve Type 2 coordination for optimum performance. Type E self-protected combination manual motor controllers provide disconnecting means, branch circuit protection, motor control and motor overload protection all in a single device.



OPEN

- Only 45mm (1-49/64") wide up to 20HP @ 460V (15kW @ 400V) in both thermal and magnetic and magnetic only versions
- UL Listed Type E devices are available
- For use in group motor installations and certified as Manual Motor Controllers Suitable as Motor Disconnects
- Ampere Ratings: 0.16 – 32A
- For use in group motor installations and certified as Manual Motor Controllers Suitable as Motor Disconnects
- Designed for optimum performance with Series 300-S09 to 300-S40 Contactors in group motor installations, and can achieve Type 2 coordination in circuits capable of delivering up to 50kA at 460V



ENCLOSED

- Two Types: Thermal & Magnetic Trip Elements and Magnetic Trip Element only
- Ampere Ratings: 0.1 – 32A
- The lift off ABS Plastic enclosure has an IP55 environmental rating and is CE certified
- ABS Plastic enclosure designed specifically for the motor protection circuit breaker with integrated ground and neutral connections, and four (4) standard PG16 knock outs (2 on the top and 2 on the bottom)



ACCESSORIES

- Snap-on accessories are easily installed without the use of tools, lowering assembly and installation costs
- 18mm wide trip indicating auxiliary contacts can be used to identify the trip cause – overload (1 NO and 1 NC) or short circuit (1 NO and 1 NC), to help determine the type of service/maintenance that may be required
- Front and side mounted standard auxiliary contacts, shunt release and undervoltage release modules, commoning links, feeder terminal, line side terminal barrier, trip indicating auxiliary contacts, adjustment scale cover, commoning link shroud, mounting foot kit, starter assembly mounting plates, circuit breaker/contactors link module and external operating handle

Optimal Performance and Safety

Designed to provide reliable overload and short circuit protection and are ideal for use in group motor installations where panel space is at a premium and device modularity is required to satisfy virtually any application requirement.



Proven

UL Listed and CE marked, our Series 330 and E330 Open and Enclosed Motor Protection Circuit Breakers are designed to perform in a broad range of applications.

Guaranteed Same-Day Shipping



High Fault Short Circuit Current Rating

High fault short circuit current rating of 50kA @ 480V provides safety and reliability in high fault applications.



Removable Markings

Removable/replaceable identification marker, standard on all c3controls Series 330 Motor Protection Circuit Breakers, simplifies troubleshooting.



Trip Indication

Trip indicating auxiliary contacts can be used to identify the trip cause – overload or short circuit – to help determine the type of service/maintenance that may be required.

Backed with a Lifetime Warranty



Padlockable Switches

Handle can be padlocked in the "OFF" position with up to three padlocks for extra safety during maintenance.



Easy to Install

35mm DIN rail mounting for fast and easy installation and removal, or panel mounting with mounting feet for more secure installation in high shock and vibration applications.



Self-Protected

Our self-protected devices eliminate the need for upstream fuses and circuit breakers, and they provide reliable motor protection.



Added Safety

IP20 guarded terminals with dual terminal markings prevent accidental contact with live parts.

GET THE MOST OUT OF OUR COMPLETE LINE OF MOTOR PROTECTION CIRCUIT BREAKERS.

Download resources, request a catalog, and configure products!

SHOP NOW:

www.c3controls.com/circuit-breakers