

Motor Protection Circuit Breakers



Solutions

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

ATC Diversified’s 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	REQ 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

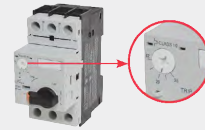
Multi-Function Device

Our 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.



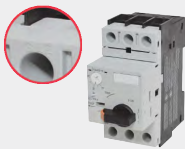
Modular Design

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



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.



Space Savings

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

Range

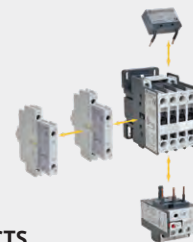
A Wide Range of Features, Functionality, and Performance for the Most Demanding Applications

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. Direct-online starters 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
- 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 CON Series Contactors and can achieve Type 2 coordination in circuits capable of delivering up to 50kA at 460V



AUXILIARY CONTACTS

- Our side mounted auxiliary contacts are easy to install and snap-on without the use of tools – lowering assembly and installation costs

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

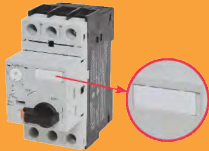
UL Listed and CE marked, our Motor Protection Circuit Breakers are designed to perform in a broad range of applications.

Reliable Overload and Short Circuit Protection



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 ATC Diversified Motor Protection Circuit Breakers, simplifies troubleshooting.



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.

Space Savings, Labor Savings, and Cost Savings



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.ATCDiversified.com