Circuit Protection

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Circuit Protection

Gliderator UL 489 Rated Miniature Breaker (MCBs)

- Single-pole, two-pole and three-pole models
- UL, C and D trip curves
- Trip-free design – breaker cannot be defeated by holding the handle in the "ON" position
- Captive screws cannot be lost
- Can also be used in applications for which UL 1077 or CSA C22.2 No 235 are also allowed
- Field installable shunt trip and auxiliary switches, side mountable shunt and undervoltage trip
- Contact position indicator (red / green)
- Small size and 35mm DIN rail mountable
- Suitable for reverse feed

Gliderator UL 1077 Rated Miniature Supplementary Protectors

- Single-pole, two-pole and three-pole models
- Thermal magnetic overcurrent protection; B, C and D trip curves
- Trip-free design – breaker cannot be defeated by holding the handle in the "ON" position
- Small size
- 35mm DIN rail mountable
- Box terminals accept #2 to #6 wire
- Color code status indicator window: Red = ON or Green = OFF
- PD2 finger protection
- Captive screws cannot be lost
- Suitable for reverse feed applications

Circuit Protection

Socomec DIRIS A Power Measurement Devices

- Easy to use solution for industry, infrastructure, and data centers
- Integrated temperature sensor (A10 model)
- Detects wiring errors
- Panel mount (A20) and DIN rail mount (A10)
- Compact design
- Compliant with ANSI C12.20 and IEC 61557-12
- Revenue grade accuracy

Gliderator GMCB and GMCBU Series Accessories

- Auxiliary Contact
- Auxiliary contacts are available for both series of MCBs and supplementary protectors. Auxiliary contacts act as secondary switching devices that work together with a primary device, to serve as an interlock or to provide indication of its current operation status.
- Alarm Contacts
- Alarm contacts are available for both series of MCBs and supplementary protectors. Alarm contacts are designed to change its position when the breaker or protector go to the tripped position, thus indicating an alarm condition for the device.
- Shunt Trips
- Shunt trips are available for both series of MCBs and supplementary protectors. Shunt trips provide a way to switch the breaker or supplementary protector OFF remotely.

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1-800-633-0405

mCPR-2

mCPR-3
**Circuit Protection (continued)**

**Supplementary FAZ series Protectors UL1077**

Supplementary protectors are UL 1077 recognized and are used in applications where branch circuit protection is not required or is already provided.

**FAZ Series**
- DIN rail mountable
- Full line of auxiliary switches, alarm switches and padlock lockout accessories
- B trip curve 1 to 63 amps
- C trip curve 0.5 to 63 amps
- D trip curve 0.5 to 40 amps

**Edison Single and Dual-element Fuses**

Industry standard extremely fast-acting, single element Class T and dual element time delay Class RK5, RK1, and Class J current limiting short circuit protection is available up to 600 amps.

NEW! High-speed Class J (JHL) combines electronic and motor branch circuit protection in one fuse.

These fuses are recommended for AC power distribution feeder and branch circuits; they provide ideal protection for motors and all general purpose applications including lighting, heating, inductive and non-inductive loads.

New Class L fast-acting current limiting fuses are particularly suited for protection of circuit breakers with lower interrupting ratings, non-inductive loads such as lighting and heating circuits and drive protection applications.

**Modular and Power Distribution Fuse Blocks**

**Modular Class CC/ Midget/ J/ R Fuse Blocks**
- Class R, 250V & 600V, 30-600A; Class J 600V, 30-600A
- Modular snap-together design
- New blocks have phase barriers between phases
- Snap on covers have lockout feature, blown fuse indication available
- DIN rail mountable up to 60A

**Modular Class J Power Distribution Fuse Blocks**
- Class J, 600V, 100-600A
- Combines power distribution block into fuse block body
- Saves space and labor

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Merz UL 508 Non-Fusible Disconnect Switches

The Merz line of disconnect switches are designed to activate motor loads ON and OFF and isolate equipment from other loads as needed. Disconnects safely terminate circuit power to equipment for servicing, and are tested to withstand high fault short circuits to remain operational following overloads.

These disconnects are manual motor controllers (MMC) capable of across the line starting/stopping of a motor according to UL508. The NEC requires each motor controller to have a disconnect within line of sight (article 430.102). The code also recognizes that a controller and disconnect can be the same unit (article 430.109). See Figure

Merz has designed and tested these devices as both a controller and disconnect into one switch. For the motor controller is a UL 508 listed motor controller “Suitable as Motor Disconnect” to comply with both the controller and disconnect requirements of the NEC. Merz disconnect switches start at just $26.00.

Open switches/disconnects
- 3-Pole; 16-125A
- Shafts/handles/Accessories

Enclosed Disconnects
- 3-Pole; 25-125A
- 3-Pole + N; 40 & 63A

Merz Non-UL CAM Changeover Switches

CAM switches are CSA rated MMC’s and are also rated for switching of other power circuits, such as heaters, but motor loads are the primary use. These Cam switches are capable of across the line switching of 2- or 3-pole motor loads OFF and ON. They are 3-position switches with:
- Transfer functions; I-OFF-II
- Reversing; Forward-OFF-Reverse

Socomec UL 98 and UL 508 Disconnects

Socomec rotary disconnect switches are available in many varieties to match any application. Socomec offers fused and non-fused switches in either small compact frames or larger heavy duty switches for more demanding uses. All of the Socomec rotary disconnects provide a high short circuit current rating, and are rated to make or break while under load to provide safe isolation.

FUSERBLOC Series Fused Disconnects (30-600 Amps)
- UL 98 and UL 489 ratings
- 30A to 600A compact and large heavy duty frame
- 100kA-200kA SCCR @ 600VAC
- Front or side operated UL 98 Class J fusible rotary switch

SIRCO and SIRCO M Series Non-Fused Disconnects (16-600 Amps)
- UL 98, UL 98B, and UL 508 ratings
- 65kA-200kA SCCR (AC switches)
- 20kA @ 600VDC (DC switches)
- 3 and 4-pole
- 16A to 600A ratings
- Enclosed, DIN rail, panel mount options

Socomec SIRCOVER UL 1008 Manual Transfer Switch

Socomec SIRCOVER family of switches are manual transfer switches rated UL 1008. These switches are extremely durable and are tested and approved for use in the most demanding applications, such as resistive load or total system applications.

- Transferring between normal and generator power supplies
- Bypass operations
- 3 Stable completely isolated positions
- Compact design

For the latest prices, please check AutomationDirect.com.