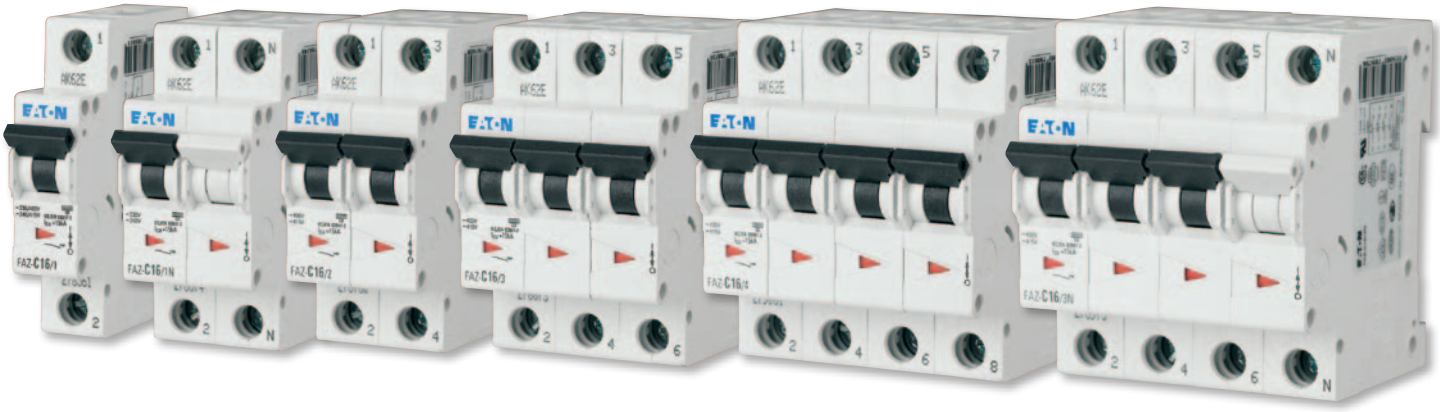
UL 1077 supplementary protectors



Optimum product quality, reliability and safety stand for best protection of personnel, installations and plant. Eaton's FAZ supplementary protector is designed for use in control panel applications.

Features

- Complete range of UL® 1077 DIN rail mounted supplementary protectors from 0.5 to 63A current rating
- Current limiting design provides fast short-circuit interruption that reduces the let-through energy that can damage the circuit
- Thermal-magnetic overcurrent protection
- Six levels of short-circuit protection categorized by B, C, D, K, S and Z curves
- Trip-free design—breaker can not be defeated by holding the handle in the ON position
- Captive screws cannot be lost
- Dual rated for IEC 60947-2 standard
- Field-installable shunt trip auxiliary switch and undervoltage release
- For use in applications for which UL 1077 or CSA® C22.2 No. 235 are required
- Complete busbar system available for quickly installing multiple breakers in panel assembly
- Module width of only 17.5 mm (per pole)
- Contact Position Indicator (red/green)
- Easy installation on DIN rail
- Possibility for sealing the toggle in ON or OFF position

Powering Business Worldwide

FAZ supplementary protector catalog numbering system

FAZ - C 6 / 2 - SP

Breaker Family	Trip Characteristic	Ampere Rating		Number of Poles	Single Packaging
FAZ = Supplementary protector	**B** = 3–5X I_n [1] **C** = 5–10X I_n [1] **D** = 10–20X I_n [1] **K** = 8–12X I_n [1] **S** = 13–17X I_n [1] **Z** = 2–3X I_n [1]	**0.5** = 0.5A **1** = 1A **2** = 2A **3** = 3A **4** = 4A **5** = 5A **6** = 6A **7** = 7A **8** = 8A **10** = 10A	**13** = 13A **15** = 15A **16** = 16A **20** = 20A **25** = 25A **30** = 30A **32** = 32A **40** = 40A **50** = 50A **63** = 63A	**1** = Single-pole **2** = Two-pole **3** = Three-pole **4** = Four-pole **1N** = 1 + neutral **3N** = 3 + neutral	**SP** = Single packaging—single packaging of single-pole curves B, C and D for select amperage ranges only.

[1] I_n rated current for instantaneous trip characteristics.

Tripping characteristics

- B Curve
  - 3–5X I_n
  - Applications that require maximum protection due to potential damage to the wiring at low fault conditions
- C Curve
  - 5–10X I_n
  - Positioned for medium inrush startup currents to provide protection for small transformers and pilot devices
- D Curve
  - 10–20X I_n
  - Magnetic range for higher inrush levels during startup that are usually seen in motors and transformers, and other high inductive systems
- K Curve
  - 8–12X I_n
  - Applications suited for highly inductive loads, similar to D but with a narrower range
- S Curve
  - 13–17X I_n
  - Positioned for highly inductive loads especially in control circuits with coils and light filaments
- Z Curve
  - 2–3X I_n
  - Very low instantaneous setting to provide tighter protection for loads that are more sensitive to the effects of overcurrents

Eaton Corporation
Electrical Sector
1111 Superior Avenue
Cleveland, OH 44114 USA
Eaton.com

Powering Business Worldwide

Printed in USA
Publication No. PA01102001E / Z11559
February 2012