

Product Comparison

# What's the Difference?



## UL489 Branch Protection

## UL1077 Supplementary Protection

### Standards and Certifications

- UL® 489 listed
- CSA® C22.2
- International ratings available depending on breaker type

- UL recognized under UL1077
- CSA C22.2
- IEC 60947-2 or IEC 898

### Function

- Opens automatically on overload and short circuit
- Protects wire and cable against overload and short circuit

- Opens automatically on overload and short circuit
- Provides additional equipment protection where branch circuit protection is already provided

### Applications

- Branch circuit protection in control panels, panelboards, switchboards and motor control centers
- Motor overload and motor short circuit protection (UL 489 recognized motor circuit protectors) for control panels and motor control centers

- Used within appliances or other electrical equipment, such as motor control circuits, control power transformers, relays, PLC I/O points and lighting circuits
- Ideal replacement for fuses that are applied as supplementary protection

### Features and Benefits

- Bolted down or din-rail mounted
- External handle mechanisms available
- Field mounted accessories
- Stand-alone branch circuit protection
- High voltage and interruption levels (up to 200 kAIC at 480 Vac)

- Din-rail mounted
- Field mounted accessories
- Current limiting
- Various levels of protection (curve type)
- Up to 10 kAIC at 480 Vac

### The Bottom Line

- Can be used as branch circuit protection and UL489 miniature breakers can also be used for supplementary protection

- Usually used in place of small fuses that protect sensitive equipment



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