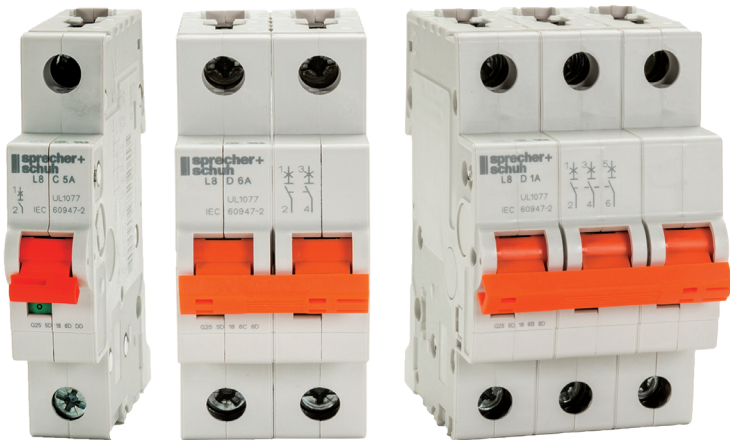


Series L8 UL 1077 Supplementary Protectors



Sprecher+Schuh Series L8 Supplementary Protectors provide supplemental overcurrent protection for control circuits, solenoids, actuators, appliances, business equipment and a range of other applications where a high performance current limiting device is required. Advanced features and global approvals make them ideal for use in equipment installed throughout the world.

- IP20 protection against accidental contact
- Color coded status indicator for easy trip recognition
- Global approvals for worldwide acceptance
- Broad range of currents
- Can be used in applications up to 480V AC and 96V DC
- Interrupting capacities up to 10kA
- DIN rail mountable

Easy installation

Sprecher+Schuh Supplementary Protectors mount on a standard 35mm DIN-rail. Wire terminals accept multiple conductors, and UL 508 approved bus bars can be used to quickly distribute power to many Supplementary Protectors simultaneously. In addition, power to the circuit breakers can be fed from the line or load side.

Global approvals for worldwide acceptance

Series L8 Supplementary Protectors are UL Recognized E65138 for use in the United States in accordance with NFPA 79 (NEC, National Electrical Code). The devices comply with UL 1077 and CSA 22.2 No.235, meeting the requirements for supplementary protectors intended for use as overcurrent protection where branch circuit protection is not required, or is provided by another device such as a fuse or molded case circuit breaker. These Supplementary Protectors also comply with IEC 60898 for use in commercial and residential applications and are CE marked.

Three trip characteristics

All Sprecher+Schuh L8 Supplementary Protectors are available with three different tripping characteristics, Type "B", "C", and "D". The tripping characteristic defines the device's speed of response (trip-time) to various levels of overcurrent. Figure 1 shows trip-time versus overcurrent for Type B, C, and D devices. The time-current characteristics enable the device to be optimally matched to the application.

Type "B" Characteristic

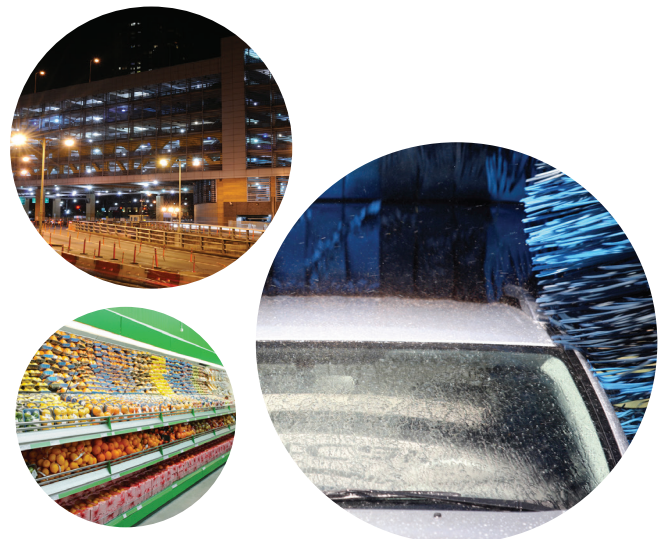
Developed primarily to protect conductors and low level signal devices such as PLCs.

Type "C" Characteristic

Developed primarily for applications with moderate inrush currents such as lighting, control circuits and coils, computers and appliances.

Type "D" Characteristic

Developed primarily for applications with high inrush currents, i.e., transformers, power supplies and heaters.



Dual box lug line & load side terminals accept #18...#4 (1.0...25mm²) wire standard

Installs on standard 35mm DIN-rail

Color coded trip status indicator

Available in 1-, 2- and 3-pole in B, C or D curves



Guarded No.2 pozidrive terminal screws for finger safe protection

Amp rating and trip curve clearly marked on device

Current limiting and interrupting capacity rated up to 10kA at 480Y/277V AC

Trip-free mechanism; non-defeatable device



Broad selection of poles, sizes and accessories

Series L8 Supplementary Protectors are available in up to 20 different current ratings from 0.5A to 63A, in one, two and three pole configurations. Over 180 base models are available with a full compliment of accessories. Devices can be used in applications up to 480V AC and 96V DC with interrupting capacities up to 10kA.

Safety features provide enhanced protection

The terminals of Series L8 Supplementary Protectors provide IP20 protection to guard against accidental contact with live parts. To aid troubleshooting, a color-coded indicator provides positive visual indication of the device status (green for OFF, red for ON) and isolation function. Sprecher+Schuh Supplementary Protectors also incorporate a trip-free mechanism - ensuring that the device operation cannot be defeated by holding the operator in the ON position.

Accessories



Bus bar

- UL recognized bus bars
- 1-, 2-, & 3-Pole
- up to 100A max.



Auxiliary/Signal Contact

- Mounts to right side
- Maximum of three auxiliaries



Shunt Trip

- Remotely trips device
- Installs on right side



Lockout Toggle Mounts

- Fits securely over switch toggle
- Prevents unauthorized access
- 1-pole & multi-pole

Additional Accessories are available in our main catalog.

For more information, or to contact your Sprecher + Schuh representative, visit www.sprecherschuh.com

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