



TECHNICAL DATA

- **0.5 Amp - 63 Amp UL**
- **Short circuit capacity (10kA) IC**
- **35mm Din Rail** mounted
- **Screw torque** to 4.5 N.m
- **Mechanical endurance** (20,000 operations)
- **Electrical endurance** (10,000 operations)
- **Current limiting design**
(Energy limit class 3)
- **Wire range** - #2 AWG or 2 x #6 AWG (max.)
#18 AWG (min.)
(35/2 x 16 mm²)max.
- **Max. AC Volts** 277/480V
- **Max. DC Volts** (1P)48 VDC
(2P)110 VDC
- **Operating temperature**
From -25°C to +50°C according to IEC 60898
- **Thermal operating limit:** (1.13-1.45 x In)
- **Shock resistance** (in x, y, z direction)
20g with shock duration of 10ms
(minimum 18 shocks)
40g with shock duration of 5ms
(minimum 18 shocks)
- **Vibration resistance** (in x, y, z direction)
3g in frequency range 10 to 55Hz
(operating time at least 30 minutes)
according to IEC 77 16.3 and DIN 40046 part 8
- **Storage temperature**
From -55°C up to +55°C
according to IEC 88 part 2-1
- **Tropicalized to +55°C / 95% RH**
(Acc. IEC60068-2 / DIN 40046)

STANDARDS / APPROVALS

- UL 1077/CSA (File# E151139)
- CE
- IEC 60898 / 60947-2
- CEBEC
- VDE
- KEMA
- BS4293
- IMQ

TECHNICAL PERFORMANCE

- 3 optional trip characteristics
 - B = 3-5x magnetic release
 - C = 5-10x magnetic release
 - D = 10-20x magnetic release

	Test current	Tripping time	Application
B	3 In 5 In	t ≥ 0.1s t < 0.1s	Only for resistive loads such as: - electrical heating - water heater - stoves
C	5 In 10 In	t ≥ 0.1s t < 0.1s	Usual loads such as: - lighting - socket outlets - small motors
D	10 In 20 In	t > 0.1s t < 0.1s	Control and protection of circuits having important transient inrush currents (large motors)

DIMENSIONAL DATA

Dimensions Approx. mm(inch)
E91S, E92S, E93S - 0.5A to 63A (B,C Trip)

