



## STANDARDS / APPROVALS

- CE
- VDE0641
- IEC60898-2

## TECHNICAL DATA

- **.5 Amp - 63 Amp** (C trip)
- **Short circuit capacity (6kA) IC**
- **6 - 63 Amp** (B trip)
- **Screw torque** to 4.5 Nm.
- **Mechanical endurance** (20,000 operations)
- **Electrical endurance** (10,000 operations)
- **Current limiting design**  
(Energy limit class 3)
- **Max. DC Volts** (1P)220 VDC  
(2P)440 VDC
- **Min.. DC Volts** 12 V
- **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)
- **Note:** must observe polarity markings due to permanent magnet in the MCB.

## 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>B =</b>	3 In 5 In	$t \geq 0.1s$ $t < 0.1s$	Only for resistive loads such as: - electrical heating - water heater - stoves
<b>C =</b>	5 In 10 In	$t \geq 0.1s$ $t < 0.1s$	Usual loads such as: - lighting - socket outlets - small motors
<b>D =</b>	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)  
**E91SUC, E92SUC - .5A to 63A**

