② E 小 A Thermal Overcurrent Circuit Breaker 1410-L1

Description

Single pole press-to-reset thermal circuit breaker with extremely fast overload switching performance (R-type TO CBE to EN 60934). Miniaturised construction minimises PCB real estate required. PCB mounting or integral mounting. Largely temperature-insensitive.

Typical applications

Motors, transformers, solenoids, PCBs, hand-held machines, appliances, instrumentation.

Ordering information

Type No.
1410 single pole circuit breaker
Configuration
L integral mounting or PCB mounting
Mounting
1 footprint 16.3x4.6
Number of poles
1 1-pole, thermally protected
Hardware
0 without
Terminal design
L1 solder pins 1.8x0.8 silver-plated
Characteristic curve
F1 fast acting
Actuator, Type and Colour
S01 reset button, black
Current ratings
0.6310 A
1410 - L 1 1 0 - L1 F1 - S01 - 0.8 A ordering example

Please be informed that we have minimum ordering quantities to be observed.

Preferred types												
Preferred types	Standard current ratings (A)											
	0.63	0.8	1	1.5	2	2.5	3.15	4	5	6.3	8	10
1410-L110-L1F1- S01-	х	x	x	x	x	x	x	x	x	x	x	x

Standard current ratings and typical internal resistance values

Current rating (A)	Internal resistance (Ω)	Current rating (A)	Internal resistance (Ω)
0.63	1.8	3.15	< 0.12
0.8	1.7	4	< 0.1
1	1.3	5	< 0.1
1.5	< 1	6.3	< 0.1
1.8	< 1	8	< 0.1
2	< 1	10	< 0.1
2.5	< 0.15		



Technical data

Voltage rating	AC 240 V: DC 28 V					
voltage rating	(UL: AC 250 V; DC 50 V)					
Current rating range 1-2	0.6310 A					
2.510 A	500 break operations at 2 x I_N , inductive 500 break operations at 2 x I_N , resistive 500 break operations at 2 x I_N , inductive 500 break operations at 2 x I_N , inductive					
Ambient temperature	-20+70 °C (-4+158 °F)					
Insulation co-ordination (IEC 60664 and 60664 A)	rated impulsepollutionwithstand voltagedegree2.5 kV2reinforced insulation in operating area					
Dielectric strength (IEC 60664 and 60664A) operating area	test voltage AC 1,500 V					
Insulation resistance	> 100 MΩ (DC 500 V)					
Interrupting capacity I _{cn} (o-o-o)	$\begin{array}{llllllllllllllllllllllllllllllllllll$					
Interrupting capacity (UL 1077)	0.6310 A 2,000 A AC 250 V 0.6310 A 200 A DC 50 V					
Degree of protection (IEC 60529/DIN 40050)	operating area IP40 terminal area IP00					
Vibration	8 g (57-500 Hz) ± 0.61 mm (10-57 Hz), to IEC 60068-2-6, test Fc, 10 frequency cycles/axis					
Shock	20 g (11 ms) to IEC 60068-2-27, test Ea					
Corrosion	48 hours at 5 % salt mist, to IEC 60068-2-11, test Ka					
Humidity	96 hours at 95 % RH to IEC 60068-2-78, test Cab					

Approvals Authority Standard **Rated voltage Current ratings** VDE IEC/EN 60934 AC 240 V 0.63 A...6,3 A 0.63 A...2.25 A 2.5 A...10 A DC 50 V DC 28 V UL UL 1077 0.63 A...10 A AC 250 V DC 50 V 0.63 A...10 A CSA C22.2 No 235 AC 125 V 0.63 A...8 A DC 48 V 0.63 A...8 A

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Internal connection diagram



Typical time/current characteristics at +23 °C/+73.4 °F



Installation drawings



This is a metric design and millimeter dimensions take precedence (mm) inch

All dimensions without tolerances are for reference only. In the interest of improved design, performance and cost effectiveness the right to make changes in these specifications without notice is reserved.Product markings may not be exactly as the ordering codes. Errors and omissions excepted.