

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.

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

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													
0.63...10 A													
1410	-	L	1	1	0	-	L1	F1	-	S01	-	0.8 A	ordering example

*mounting hardware bulk shipped

[illegible]

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		



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Voltage rating	AC 240 V; DC 28 V (UL: AC 250 V; DC 50 V)		
Current rating range 1-2	0.63...10 A		
Typical life			
AC 240 V: 0.63...2.25 A	500 break operations at $2 \times I_N$, inductive		
2.5...10 A	500 break operations at $2 \times I_N$, resistive		
DC 50 V: 0.63...2.25 A	500 break operations at $2 \times I_N$, inductive		
DC 28 V: 2.5...10 A	500 break operations at $2 \times I_N$, inductive		
Ambient temperature	-20...+70 °C (-4...+158 °F)		
Insulation co-ordination (IEC 60664 and 60664 A)	rated impulse withstand voltage 2.5 kV	pollution degree 2	
	reinforced 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)	0.63...2 A	$12 \times I_N$	
	2.5...8 A	$8 \times I_N$, AC max. 50 A	
	10 A	$6 \times I_N$, AC	
	3.15...10 A	$10 \times I_N$, DC	
Interrupting capacity (UL 1077)	0.63...10 A	2,000 A	AC 250 V
	0.63...10 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) $\pm$ 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		
Mass	approx. 5 g		

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

