图印刷 Magnetic Overcurrent Circuit Breaker 808-...

Description

Single pole miniaturised magnetic circuit breakers with unique high-speed operating mechanism and push/pull on/off manual actuation. Fitted with electrically separate excitation and switching circuits, and one pair of auxiliary contacts which close when the main circuit is open. Also suitable for impulse operation. Designed for printed circuit board mounting. Low temperature sensitivity.

Typical applications

Printed circuit boards and components, safety and control systems.

Ordering	information

Туре	No.			
808	fast	-acting		
	Mai	nual release		
	01	press-to-reset button, blue		
	B manual release facility, blue (Standard)			
	Current ratings			
	0.015 A			
808 -	В -	5 A ordering example		

Standard current ratings and typical internal resistance values

Current	Internal	Current	Internal
rating (A)	resistance (Ω)	rating (A)	resistance (Ω)
0.01	625	0.8	0.096
0.02	170	0.9	0.085
0.03	77	1	0.073
0.04	47	1.2	0.050
0.05	29.2	1.5	0.031
0.08	10.3	2	≤ 0.02
0.1	5.6	2.5	≤ 0.02
0.2	1.65	3	≤ 0.02
0.3	0.89	3.25	≤ 0.02
0.4	0.39	4	≤ 0.02
0.5	0.28	4.5	≤ 0.02
0.6	0.198	5	≤ 0.02
0.7	0.143		

- 4					
	n	$r \cap$	W	als	
	v	ı	N/A		

Authority	Voltage ratings	Current ratings
CSA	AC 120 V; DC 60 V	0.015 A
UL DC 60 V AC 120 V		0.015 A 0.015 A
	AC 120 V	0.015 A



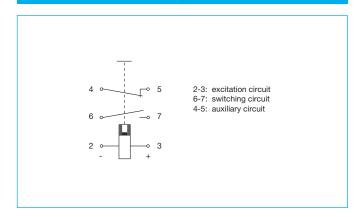
Technical data			
	500434 #		
Voltage rating	UL: AC 120 V; DC 6	DC 24 V (higher voltages to special order) UL: AC 120 V; DC 60 V	
Current ratings	0.015 A (higher current ratings to special order)		
Max. continuous load excitation circuit (2-3)	2.65 x I _N		
Max. continuous load switching circuit 6-7 auxiliary circuit 4-5	5 A		
Typical life	6,000 operations at 5 A for switching circuit		
Ambient temperature	-30+70 °C (-22	+158 °F)	
Insulation co-ordination (IEC 60664-1)	rated impulse withstand voltage 1.5 kV	pollution degree 2	
Dielectric strength (UL 1077) operating area excitation to switching circuit	test voltage AC 1,240 V AC 1,240 V		
excitation to auxiliary circuit	AC 1,240 V		
Insulation resistance	> 100 MΩ (DC 500	V)	
Interrupting capacity (o-o-o)	100 A		
Interrupting capacity			
(UL 1077)	2,000 A AC 120 V 1,000 A DC 60 V		
Degree of protection (IEC 60529/DIN 40050)	operating area IP30 terminal area IP00		
Vibration	3 g (57-500 Hz), \pm 0.23 mm (10-57 Hz), to IEC 60068-2-6, test Fc 10 frequency cycles/axis		
Shock	25 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	240 hours at 95 % RH to IEC 60068-2-78, test Cab		
Mass	approx. 10 g		
	-		

図画承 Magnetic Overcurrent Circuit Breaker 808-...

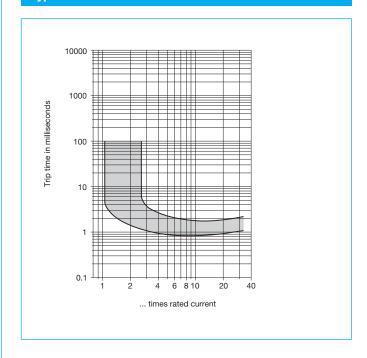
Dimensions

808-01 .787 ø9.3 .366 0 ON ø4 .157 30 14.551 0.5 .020 10 □0.6 .024 15.5 808-B 20 7.5 OFF .295 .787 ø9.3 2.5 ON .098 .366 ø4 .157 30 14. .020 10 □0.6 .024

Internal connection diagram



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



This is a metric design and millimeter dimensions take precedence $(\frac{mm}{inch})$

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.