② E 小 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	t-acting			
	Manual release				
	H manual release facility				
		Current ratings			
		0.015 A			
808 -	H ·	- 5 A ordering example			

Preferred types

Preferred types	Standard current ratings (A)										
	0.02	0.05	0.1	0.3	0.4	0.5	0.6	1	2	3	5
808-H-	x	х	х	х	х	х	х	х	х	х	х

Standard current ratings and typical internal resistance values

Current rating (A)	Internal resistance (Ω)	Current rating (A)	Internal 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				

Approvals

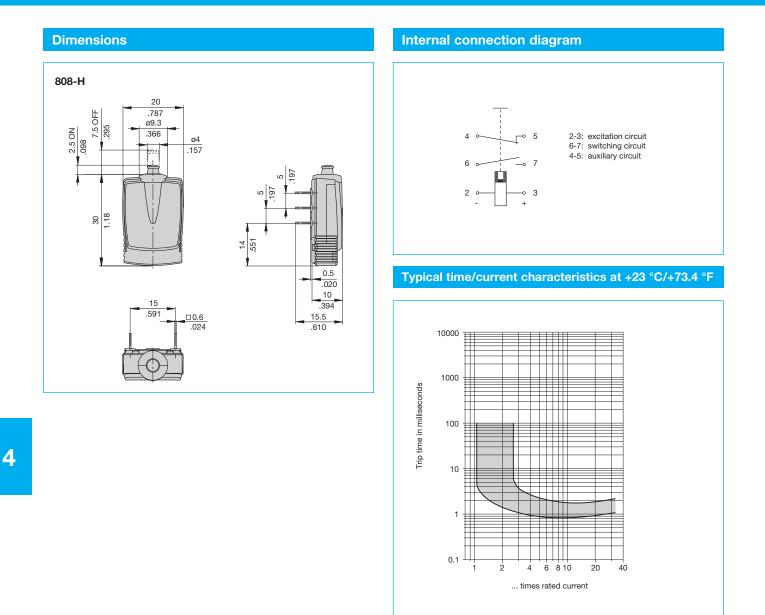
Authority	Voltage ratings	Current ratings		
CSA	AC 120 V; DC 60 V	0.015 A		
UL	DC 60 V AC 12 V	0.015 A 0.015 A		



Technical data

UL: AC 120 V; DC 60 VCurrent ratings 0.015 A (higher current ratings to special orderMax. continuous load excitation circuit (2-3) $2.65 \times I_N$ Max. continuous load switching circuit 4-5 $2.65 \times I_N$ Max. continuous load switching circuit 4-5 5 A Typical life $6,000$ operations at 5 A for switching circuitAmbient temperature $-30+70 \ ^{\circ}C (-22+158 \ ^{\circ}F)$ Insulation co-ordination (IEC 60664-1)rated impulse withstand voltageDielectric strength (UL 1077) excitation to auxiliary circuitAC 1,240 VAC 1,240 V excitation to auxiliary circuitAC 1,240 VInsulation resistance> 100 M\Omega (DC 500 V)Interrupting capacity (UL 1077)2,000 A AC 120 V(UL 1077)2,000 A AC 120 VInterrupting capacity (UL 1077)2,000 A AC 120 VDegree of protection (IEC 60058-2-6, test Fc 10 frequency cycles/axisShock25 g (11 ms) to IEC 60068-2-7, test EaCorrosion48 hours at 5 % salt mist, to IEC 60068-2-11, test KaHumidity240 hours at 95 % RH						
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excitation circuit (2-3) $2.65 \times I_N$ Max. continuous load switching circuit 4-5 $5 A$ Typical life $6,000 \text{ operations}$ at 5 A for switching circuitAmbient temperature $-30+70 \ ^{\circ}C \ (-22+158 \ ^{\circ}F)$ Insulation co-ordination (IEC 60664-1)rated impulse 	Current ratings	0.015 A (higher current ratings to special order)				
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to IEC 60068-2-11, test Ka Humidity 240 hours at 95 % RH	Shock					
	Corrosion					
	Humidity	240 hours at 95 % RH to IEC 60068-2-78, test Cab				
Mass approx. 10 g	Mass	approx. 10 g				

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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.