

Features

- 2 mounting options
- Manual Reset
- Long Life
- Reliable

RS PRO Thermal Circuit Breaker

RS Stock No.: 774-0014, 774-0017, 774-0027,
774-0033



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Protection of circuits and products against overload, overheating, and transient conditions becomes more important considering safety aspects and the sensitive nature of many IC components. Selecting and fitting appropriate protection devices can avoid unnecessary service calls and protect sensitive components. These compact manual reset overcurrent protectors are designed to protect audio speaker systems, amplifiers, UPS, Regulators and generators. Available with 2 mounting options. Reset button may be black or red.

General Specifications

Circuit Breaker Type	Manual Reset Thermal Magnetic
Mounting Type	Panel Mounting
Mounting Style	With nut or snap-in type

Mechanical Specifications

Contact Endurance	@120VAC / 150% of rated current – 500 cycles
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Electrical Specifications

Current Rating	4-10A See table below
Voltage Rating	32VDC, 240VAC
Dielectric Strength	1500VDC / 1 minute
Calibration @25°C (See trip time curve below)	105% of rated current – Continuous / No trip 196% to 134% of rated current – May trip / May not trip 200% of rated current – Trip within 1 minute

Approvals

Standards Met	RoHS
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Similar Products

Stock No.	Current Rating	Mounting Style
774-0014	5A	With nut
774-0017	6A	With nut
774-0027	10A	With nut
774-0033	4A	Snap in

Derating Factor		
Temp	4A.	5A-16A.
10°C	x1.45	x1.20
15°C	x1.20	x1.11
20°C	x1.10	x1.06
25°C	x1.00	x1.00
30°C	x0.80	x0.93
35°C	x0.65	x0.88
40°C	x0.50	x0.83
45°C	-	x0.77
50°C	-	x0.72
55°C	-	x0.65
60°C	-	x0.58

Max Internal Resistance	
4A-5A	0.120Ω
5A-6A	0.100Ω
6A-7A	0.075Ω
7A-8A	0.035Ω
8A-9A	0.020Ω
10A-13A	0.015Ω



