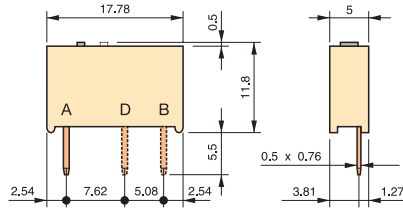


Subminiature circuit breaker for printed circuit board Series "TINY"

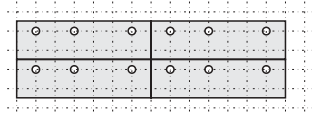


TY...

Spacing 5 mm (.197")



Dimensions in millimeters



Layout on spacing 2.54 mm grid.
Thickness P.C.B. : 0.6 to 3.2 mm.
P.C.B. holes DIA 1 mm.

Rating \geq 1.6 A :
Leads A and B

Rating $<$ 1.6 A :
Leads A and D

Description

The "TINY" subminiature circuit breaker is equipped with a "thermal" type detection device. Therefore, it can withstand transitory currents and avoid untimely tripping which the capacitors fitted in the protected circuit may cause.

As this device has no polarity, the "TINY" can be used either with alternating current or with direct current.

It is fitted with a sliding resetting switch which makes the position of contacts visible by its position. The "TINY" circuit breaker allows:

- resetting after automatic tripping
- manual tripping (switch function)

As it is compact with a relatively high rupturing capacity, this circuit breaker is highly suitable to protect printed circuit boards against high currents and short circuits.

A rupture isolates the faulty line and prevents the other components from being destroyed in cascade.

Rating

Rating in Amps
0.10
0.20
0.40
0.60
1.00
1.60
3.00

Rating marked on the casing

For other P.C.B. applications, it is possible to use our screw flush mounting GD - GN - GV series.

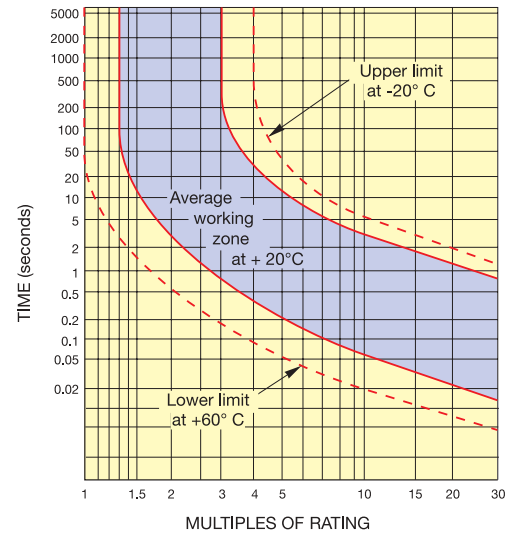
Type

Standard terminals (straight)

TY 0.10	809 012 001
TY 0.20	809 014 001
TY 0.40	809 017 001
TY 0.60	809 019 001
TY 1	809 023 001
TY 1.6	809 026 001
TY 3	809 032 001

Part number

Tripping curves with no warm-up time



Characteristics

Operating voltage 24 V DC or 24 V AC (Any other voltage, consult us)

Rupturing capacity

See curves

At 24 V DC, resistive load		Presumed current	True current	Breaking time at 20° C
Rating	0.10 A		2 A	150 - 500 ms
	0.20 A	10 A	4 A	150 - 500 ms
	0.40 A	14 A	10 A	150 - 400 ms
	0.60 A	15 A	12 A	100 - 400 ms
	1.00 A	14 A	13 A	200 - 700 ms
	1.60 A	33 A	32 A	50 - 150 ms
	3.00 A	46 A	45 A	80 - 300 ms

Others characteristics

Lifetime (O + F)	500 cycles under 24 V DC and rating current
Breakdown voltage	> 1 500 V
Power consumption under rated current	< 0.20 Watt
Lifetime of contacts	500 cycles under 24 V DC, 5 Amps
Surge voltage withstanding	3 kv surge (1.2/50 μ s)
Contacts	Silver alloy
Ambient temperature	-20° C to 60° C
Weight	1.2 g

Accessories

Type	Part number
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