TR11 Series

Altech Corp.®

up to 12 Amps

Supplementary Protector / Circuit Breaker for Equipment



Applications:
Main applications are protection of single phase Motors, Transformers, UPS, Power strips, Solenoids etc., against damage due to overcurrent conditions.

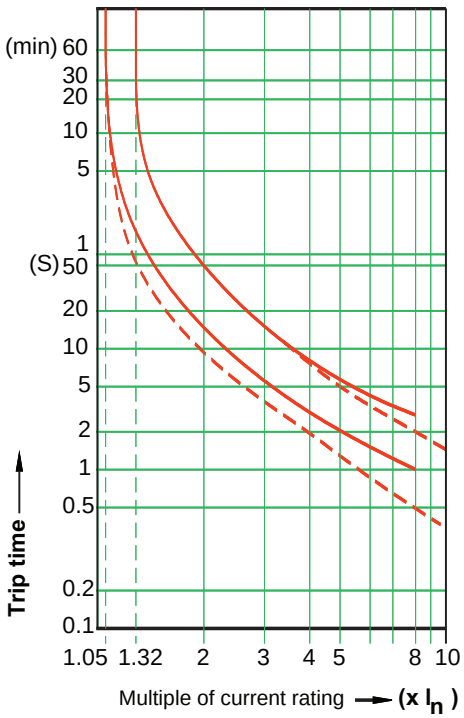
Current Rating	0.5 -16.0 A	
Rated Voltage	240V~ 50/60 c/s, 32V DC / 24V DC (VDE)	
Initial insulation resistance	> 100 M ohms.	(As per EN 60934)
Dielectric strength	1.5 KV for One minute.	(As per EN 60934)
Overload Switching Capacity	6 In ~ up to 9.0 A 4 In - up to 12.0 A 60A Max. ~ from 10.0 A to 12.0 A 60A Max. - from 10.0 A to 12.0 A	(As per EN 60934)
Maximum Breaking Capacity	8x In for <6.0 A, 60 A MAX. for ≥ 6.0 A,	
Power Loss	1 - 2 Watts	
Operating Temperature	Maximum 60°C Amb.	
Operational Life at 2xIn	1000 Cycles	
Limited short circuit current	1000 Amps PC 1	
Applicable Standards	EN 60934, CSA 22.2 No. 235, UL-1077	
Approvals	upto 16.0 A upto 12.0 A	
Accessories	Dust Cover, DC-TR11 C (see page 11)	

Time Current Characteristics:
The standard characteristic is valid for ambient temperature of 23°C. If the device is to be used in an ambient temperature other than +23°C, allowance must be made when selecting the current rating according to the following guide lines:

Ambient temp. °C	-20	-5	0	+10	+20	+30	+40	+50	+60
Correction Factor	0.8	0.88	0.9	0.96	1	1.05	1.12	1.2	1.3

Example :
Normal Continuous Current : 1.8 A
Ambient Temperature : 40°C
Correction Factor : 1.12
Recommended Current Rating : 1.8 x 1.12 = 2.016
Select the nearest : 2.0 A

Operating Characteristic

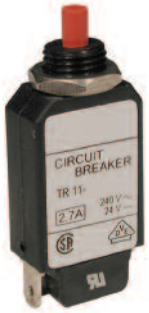


Altech UL1077

TR-11 Characteristics & Mounting Options

up to 12 Amps

Application Examples:
Main applications are protection of single phase Motors, Transformers, UPS, Power strips, Solenoids etc., against damage due to overcurrent conditions.



Central Mounting

Standard Pack: 10

Weight:
0.27kg (0.6 lb.)

Rated Current	Type/ Cat. No.
0.5A	TR-11CX630.5A
0.9A	TR-11CX630.9A
1.0A	TR-11CX631A
1.2A	TR-11CX631.2A
1.5A	TR-11CX631.5A
1.8A	TR-11CX631.8A
2.0A	TR-11CX632A
2.2A	TR-11CX632.2A
2.5A	TR-11CX632.5A
2.7A	TR-11CX632.7A
3A	TR-11CX633A
3.3A	TR-11CX633.3A
4A	TR-11CX634A
5A	TR-11CX635A
6A	TR-11CX636A
6.5A	TR-11CY636.5A
7A	TR-11CY637A
8A	TR-11CY638A
9A	TR-11CY639A
10A	TR-11CY6310A
12A	TR-11CY6312A
15A	TR-11CY6315A
16A	TR-11CY6316A



Wing Clips

Standard Pack: 10

Weight:
0.27kg (0.6 lb.)

Rated Current	Type/ Cat. No.
0.5A	TR-11WX630.5A
0.9A	TR-11WX630.9A
1.0A	TR-11WX631A
1.2A	TR-11WX631.2A
1.5A	TR-11WX631.5A
1.8A	TR-11WX631.8A
2.0A	TR-11WX632A
2.2A	TR-11WX632.2A
2.5A	TR-11WX632.5A
2.7A	TR-11WX632.7A
3A	TR-11WX633A
3.3A	TR-11WX633.3A
4A	TR-11WX634A
5A	TR-11WX635A
6A	TR-11WX636A
6.5A	TR-11WY636.5A
7A	TR-11WY637A
8A	TR-11WY638A
9A	TR-11WY639A
10A	TR-11WY6310A
12A	TR-11WY6312A
15A	TR-11WY6315A
16A	TR-11WY6316A

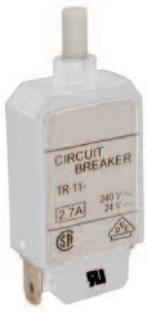


Snap Fitting

Standard Pack: 10

Weight:
0.27kg (0.6 lb.)

Rated Current	Type/ Cat. No.
0.5A	TR-11SX630.5A
0.9A	TR-11SX630.9A
1.0A	TR-11SX631A
1.2A	TR-11SX631.2A
1.5A	TR-11SX631.5A
1.8A	TR-11SX631.8A
2.0A	TR-11SX632A
2.2A	TR-11SX632.2A
2.5A	TR-11SX632.5A
2.7A	TR-11SX632.7A
3A	TR-11SX633A
3.3A	TR-11SX633.3A
4A	TR-11SX634A
5A	TR-11SX635A
6A	TR-11SX636A
6.5A	TR-11SY636.5A
7A	TR-11SY637A
8A	TR-11SY638A
9A	TR-11SY639A
10A	TR-11SY6310A
12A	TR-11SY6312A
15A	TR-11SY6315A
16A	TR-11SY6316A



Integral Mounting

Standard Pack: 10

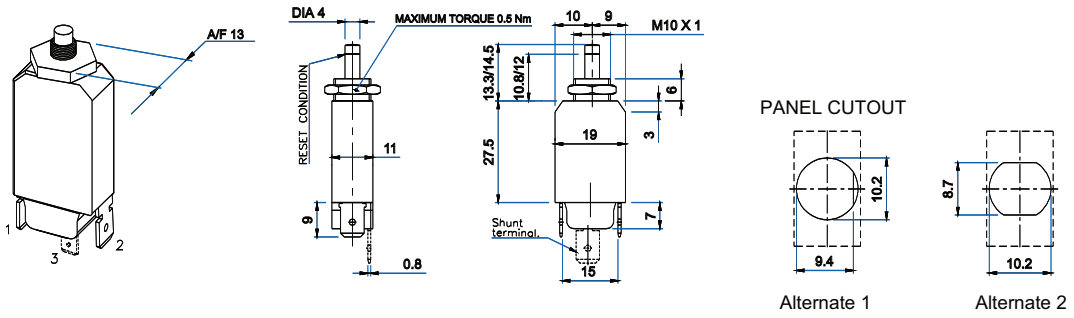
Weight:
0.27kg (0.6 lb.)

Rated Current	Type/ Cat. No.
0.5A	TR-11BX630.5A
0.9A	TR-11BX630.9A
1.0A	TR-11BX631A
1.2A	TR-11BX631.2A
1.5A	TR-11BX631.5A
1.8A	TR-11BX631.8A
2.0A	TR-11BX632A
2.2A	TR-11BX632.2A
2.5A	TR-11BX632.5A
2.7A	TR-11BX632.7A
3A	TR-11BX633A
3.3A	TR-11BX633.3A
4A	TR-11BX634A
5A	TR-11BX635A
6A	TR-11BX636A
6.5A	TR-11BY636.5A
7A	TR-11BY637A
8A	TR-11BY638A
9A	TR-11BY639A
10A	TR-11BY6310A
12A	TR-11BY6312A
15A	TR-11BY6315A
16A	TR-11BY6316A

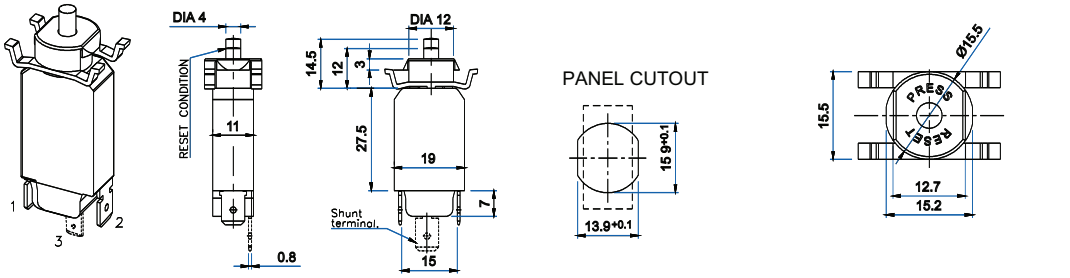
PCB Mounting and additional Shunt Terminal available, please contact Altech.

TR-11
Dimensions & Mounting Options

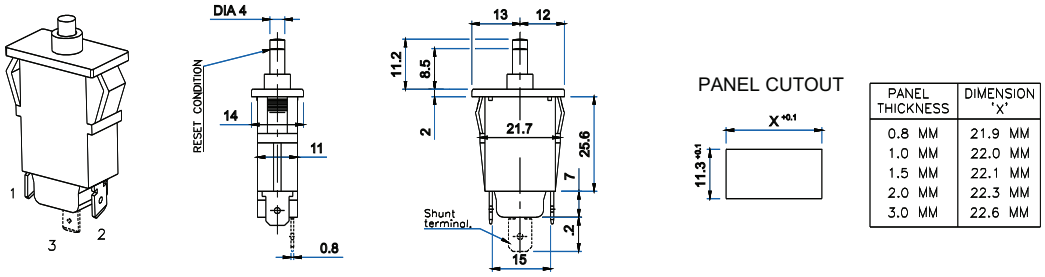
Central Mounting



Wing Clips

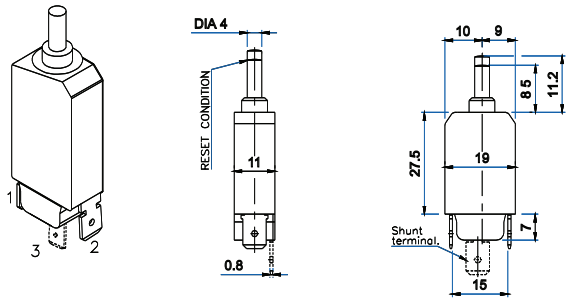


Snap Fitting

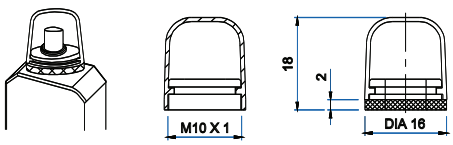


PANEL THICKNESS	DIMENSION 'X'
0.8 MM	21.9 MM
1.0 MM	22.0 MM
1.5 MM	22.1 MM
2.0 MM	22.3 MM
3.0 MM	22.6 MM

Integral Mounting



Dust Cover



A cover suitable for central mounting type circuit breaker to provide dust & splash protection (IP 54).
Ordering code : DC TR11 C

Dimensions in mm (to convert to inches multiply by 0.03937)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Altech:

TR-11CX633A