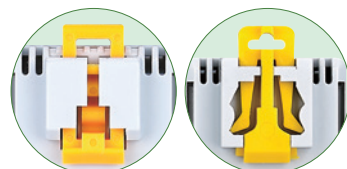


NT 45-F / NT 46-F NT 45-M / NT 46-M

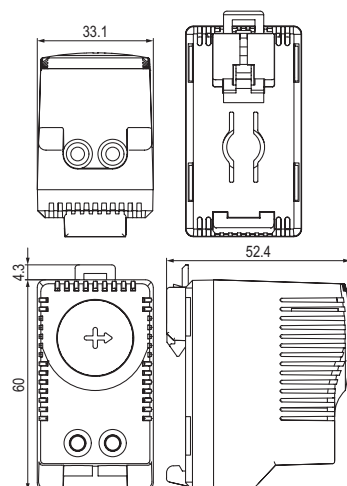


Fast Fixing Part



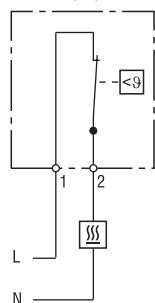
F Type

M Type

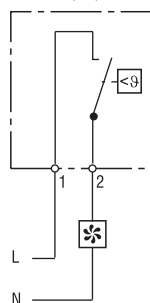


Connection Diagrams

Thermostat
NT 45-F (NC)



Thermostat
NT 46-F (NO)



Heater



Filter fan, Cooling equipment, Signal device

- Large setting range
- With Fast Fixing Part on the backside, easy to fix onto DIN Rail and easy to remove from DIN Rail
- With Big Knob to adjust temperature
- Small size
- High switching performance

NT 45-F: Thermostat (normally closed); contact breaker for regulating heaters. The contact opens when temperature is rising.

NT 46-F: Thermostat (normally open); contact maker for regulating of filter fans and heat exchangers or for switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.

Technical Data

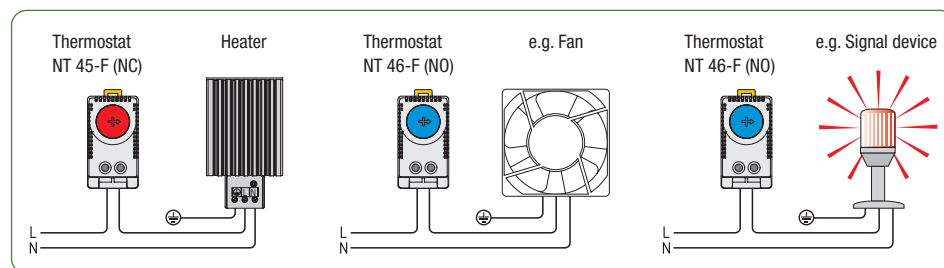
CE RoHS ISO9001 Patent

NT 45-F / NT 46-F / NT 45-M / NT 46-M

Operating voltage	all AC/DC voltage
Switch temperature difference	+/-5°C
Sensor element	thermostatic bimetal
Contact type	snap-action contact
Service life	>100,000 cycles
Max. switching capacity	250VAC, 10 (2) A / 120VAC, 15 (2) A; DC 30W at 24VDC to 72VDC
Max. inrush current	AC 16A for 10 sec.
Connection	2-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm ² (AWG 14) stranded wire ¹ 1.5mm ² (AWG 16)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	64.3×33.1×52.4mm
Weight	approx. 40g
Fitting position	variable
Operating/Storage temperature	-45 to +80°C (-49 to +176°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

¹ When connecting with wires, wire end ferrules must be used.

Examples of Connection



Fast fixing type (F Type)		Manual up down type (M Type)		Setting range
NT 45-F (NC Type)	NT 46-F (NO Type)	NT 45-M (NC Type)	NT 46-M (NO Type)	
45NCF01	46NOF01	45NCM01	46NOM01	0 to +60°C
45NCF02	46NOF02	45NCM02	46NOM02	-10 to +50°C
45NCF03	46NOF03	45NCM03	46NOM03	+20 to +80°C
45NCF04	46NOF04	45NCM04	46NOM04	+32 to +140°F
45NCF05	46NOF05	45NCM05	46NOM05	+14 to +122°F