

## PTC - resistor relays



### Order No.: MS220C

The small, compact PTC tripping device provides optimal protection against thermal overload. A current constantly monitors the resistance of the sensors. In cold state, the resistance is  $< 250 \Omega$  per sensor. The relay has picked up and the contact is closed. The resistance of the sensor rises rapidly at nominal response temperature NRT. The relay releases at a resistance between  $2650 \Omega < R < 4000 \Omega$ . The relay switches on again automatically at a resistance  $1650 \Omega < R < 2650 \Omega$ .

Rated Voltage Us:	AC 220-240 V $\pm$ 10 % 50/60 Hz $\leq$ 2 VA
Connectable PTCs:	1...6 PTC acc. DIN 44081 or 44082
Switching point:	$< 4000 \Omega$
Output relay:	1 change-over contact
Switching voltage:	max. AC 300V
Switching current:	max. 6A
Prüfbedingungen:	IEC /EN 60947-1
Rated ambient temp.:	-20...+55 °C
Dimensions H x W x D:	72 x 33 x 60 mm
Mounting:	35 mm standard rail acc. EN 60 715 or screws M4

Protection class housing/terminals: IP 40 / IP 20



### Order No.: MS220R

PTC tripping device with electronic reclosing lock. The resistor relay type MS220R stores the shutdown and must be reset manually via the built-in "Reset" button or external buttons. The return of supply voltage is treated equal to a reset.

Rated voltage Us:	AC 220-240 V $\pm$ 10 %
Connectable PTCs:	1...6 PTC (see above)
Output relay:	2 change-over contacts
Switching voltage:	max. AC 415V
Switching current:	max. 6A
Rated ambient temp.:	-20...+55 °C
Dimensions H x W x D:	75 x 22,5 x 110 mm
Mounting:	35 mm standard rail