



YCR7

THERMAL OVERLOAD RELAY

- With open-phase protection
- With temperature compensation
- Automatic and manual reset
- Standard with 1 on 1 off dual auxiliary function
- Action indication
- Test and stop function

YCR7

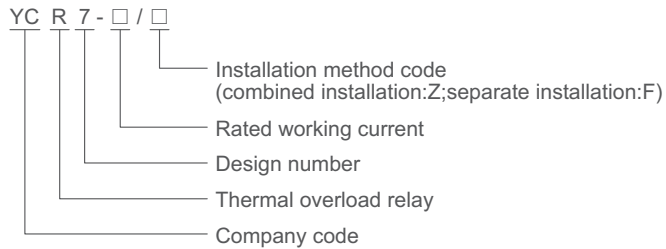
Thermal overload relay



▼ Product overview

YCR7 series thermal overload relay (hereinafter referred to as thermal relay), mainly used for AC 50Hz, rated working voltage 380V and below, current 0.1-93A circuit, for motor overload, phase break, long start time, long blocking time protection. The relay can be plugged into the corresponding AC contactor or installed separately.

▼ Product model and meaning



▼ Normal working condition

1. Altitude: not exceed 2000m;
2. Ambient temperature: not higher than +40°C, not lower than -5°C; The average value of 24h does not exceed 35°C;
3. Relative humidity of the air: not exceed 50% at a maximum temperature of +40°C; Higher relative humidity is allowed at lower temperatures, for example 90% at +25°C, taking into account condensation on the surface of the product due to temperature changes;
4. Installation method: the inclination between the mounting surface and the vertical plane is not more than 5°;
5. Pollution class: 3;
6. Installation category: III;

▼ Main technical parameters

Model	YCR7		
Main circuit			
Rated working voltage(V)	AC 380V		
Rated frequency	50Hz		
Auxiliary circuit			
Category of use	AC-15	DC-13	
Rated insulation voltage(V)	AC 380V		
Rated frequency	50Hz		
Rated working voltage(V)	220	380	220
Rated working current(A)	1.64	0.95	0.15
Conventional heating current(A)	5		5
Standard	IEC 60947-4		
Certification	CE		

▼ Main specification

Model and specification of the thermal relay, setting current regulation range, Matched AC contactor model and order code

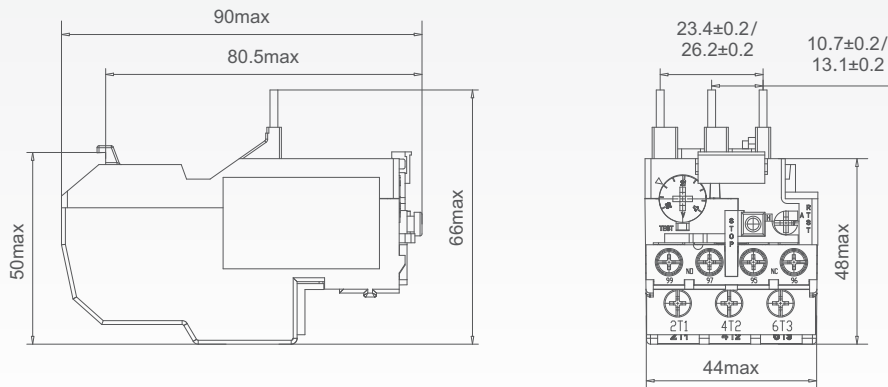
Model	Rated current range (A)	Category of fuse		Matched contactor model
		aM	gG	
		A	B	
YCR7-38/Z	0.1~0.16	0.25	2	YCC7-09
	0.16~0.25	0.25	2	YCC7-09
	0.25~0.4	1	2	YCC7-09
	0.4~0.63	1	2	YCC7-09
	0.63~1	2	4	YCC7-12
	1~1.6	2	4	YCC7-12
	1.6~2.5	4	6	YCC7-12
	2.5~4	6	10	YCC7-12
	4~6	8	16	YCC7-12
	5.5~8	12	20	YCC7-12
	7~10	12	20	YCC7-12
	9~13	16	25	YCC7-12~32
	12~18	0	35	YCC7-18~32
	17~25	25	50	YCC7-25
	23~32	40	63	YCC7-25
YCR7-93/Z	28~38	40	80	YCC7-32~38
	23~32	40	63	YCC7-40~95
	30~40	40	100	YCC7-40~95
	37~50	63	100	YCC7-50~95
	48~65	63	100	YCC7-50~95
	55~70	80	125	YCC7-65~95
	63~80	80	125	YCC7-80, YCC7-95
80~93	100	160	YCC7-95	

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▼ Overall and mounting dimensions(mm)

YCR7-38



YCR7-93

