

1. Application

Lr7 thermal relay is suitable for overload protection of AC motor operated on 8-hours duty oruninterrupted duty. The overload protected AC motor with frequency 50Hz, voltage up to 660V,current up to 38A. Several functions provided by these relays are: phase-failure protection,temperature compensation. The product conforms to IEC60947-4-1 stardand.

2. Motion Characteristic: Three-phase Balance Motion Time

No	Times of the setting current	Motion time			Start condition	Ambient temperature
1	1.05	>2h			Cold state	20±5°C
2	1.2	<2h			Heat state (Following the No.1 test)	
3	1.5	<4min				
4	7.2	10A	2s < Tp ≤10s	≤63A	Cold state	
		10	4s < Tp ≤10s	>63A		



3.Specification

Type	Setting range (A)
LR7-20	0.6~1.11
	1.11~1.66
	2.5~3.7
	1.62~2.5
	3.7~5.6
	5.6~8.4
	8.4~11.9
	11.9~16
	16~23
	23~27
	27~33
	33~38