ELR□–D Series

Thermal Relay

Application

ELR □–D series of thermal relay can be used in the circuit of 50Hz or 60Hz, rated insulation voltage 660V, rated current 0.1–630A for protecting the phase break when the electric motor is overload. The relay has different mechanism and temperature compensation & can be plugged in ELC1–D series AC contactor. It is the most advanced thermal relay in the nineties in the world.

Type Designation

ELR□–D□□ □□

- Code of rated current for control of AC–3, 380V
- Model
- Series type
- Design code
- Contactor
- Company code

Thermal Relay

Specifications

Type	Rated workig current of thermal relay	Thermal component				
		Rated current(A)	Rated or scale of rated current(A)	Compatible AC contactor	Back up fuse aM	gI
ELR2–D13	ELR2–D 1301	0.16	0.01–0.16	ELC1–D09–32	0.25	2
	ELR2–D 1302	0.25	0.16–0.25	ELC1–D09–32	0.5	2
	ELR2–D 1303	0.40	0.25–0.40	ELC1–D09–32	1	2
	ELR2–D 1304	0.63	0.40–0.63	ELC1–D09–32	1	2
	ELR2–D 1305	1.0	0.63–1.0	ELC1–D09–32	2	4
	ELR2–D 1306	1.6	1.0–1.6	ELC1–D09–32	2	4
	ELR2–D 13X6	2.0	1.25–2.0	ELC1–D09–32	4	6
	ELR2–D 1307	2.5	1.6–2.5	ELC1–D09–32	6	10
	ELR2–D 1308	4.0	2.5–4.0	ELC1–D09–32	8	16
	ELR2–D 1310	6.0	4.0–6.0	ELC1–D09–32	12	20
	ELR2–D 1312	8.0	5.5–8.0	ELC1–D09–32	12	20
	ELR2–D 1314	10.0	7.0–10.0	ELC1–D12~32	16	25
	ELR2–D 1316	13.0	9.0–13.0	ELC1–D18~32	20	35
	ELR2–D 1321	18.0	12.0–18.0	ELC1–D25 & –32	25	50
	ELR2–D 1322	25.0	17.0–25.0		40	63
ELR2–D23	ELR2–D 2353	32	23.0–32.0	ELC1–D32	40	80
	ELR2–D 2355	36	28.0–36.0	ELC1–D40~95	25	50
	ELR2–D 3353	32	23.0–32.0		40	63
	ELR2–D 3355	40	30.0–40.0	ELC1–D50~95	40	100
	ELR2–D 3357	50	37.0–50.0		63	100
ELR2–D33	ELR2–D 3359	65	48.0–65.0	ELC1–D65~95	63	100
	ELR2–D 3361	70	55.0–70.0	ELC1–D80 & –95	80	125
	ELR2–D 3363	90	63.0–80.0		80	125
	ELR2–D 3365	93	80.0–93.0	ELC1–D95	100	160

Thermal Relay

Specifications

Type	Number	Setting range(A)	For contactor
ELR9–150	4365	80–104	ELR9–95
	4367	95–120	ELR9–95–115
	4369	110–140	ELR9–115
ELR9–200	5369	90–150	ELR9–150
	F5357	30–50	ELR9–F115–F185
	F5363	48–80	ELR9–F115–F185
	F5367	60–100	ELR9–F115–F185
	F5369	90–150	ELR9–F115–F185
ELR9–630	F5371	132–220	ELR9–F225–F265
	F7375	200–330	ELR9–F225–F500
	F7379	300–500	ELR9–F225–F500
	F7381	380–630	ELR9–F400–F630

Characteristics for balanced load:

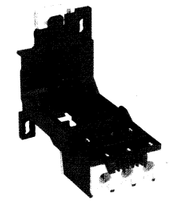
Sequence No	I△n	Characteristics			Initial status	Ambient temperature
1	1.05	>2h			Cold	
2	1.20	≤2h			Start test after sequence 1	20±5℃
3	1.50	Tripping	10A	<2min ≤63A		
			10	<4min >63A		
4	7.2		10A	2S<Tp≤10S ≤63A	Cold	
			10	4S<Tp≤10S >63A		

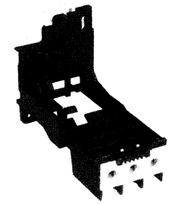
Characteristics for unbalanced load:

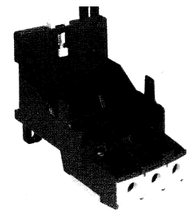
Sequence No	I△n Any 2 phase	I△n Another phase	Tripping time	Initial status	Ambient temperature
1	1.00	0.9	>2h	Cold	20±5℃
2	1.15	0	≤2h	Start test after sequence 1	

ELECO Just What I Needed

Thermal Relay

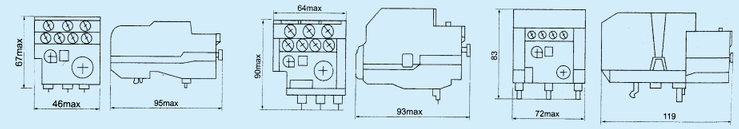




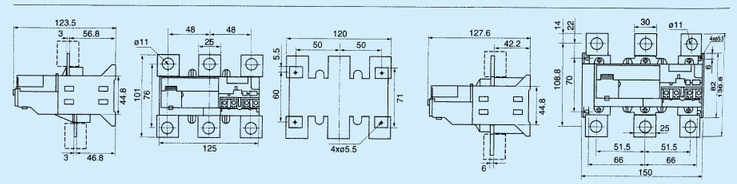


Specifications

Description	ELR9–25 mounting base	ELR9–36 mounting base	ELR9–93 mounting base
Application	Assembled with ELR9–25 to form a complete set	Assembled with ELR9–36 to form a complete set	Assembled with ELR9–93 to form a complete set



ELR9–25 ELR9–36 ELR9–93



ELR9–200 ELR9–630