

NR2 Series Thermal Relay

Features

This series of thermal relay can be used in the circuit of 50Hz or 60Hz, rated insulation voltage 660V, rated current 0.1-96A for protecting the phase break when the electric motor is overload. The relay has different mechanism and temperature compensation & can be plugged in BAC9 series AC contactor. Compliance with IEC60947-5.



A. Fundamental parameter of the main circuit

- Rated insulation voltage 660V.
- Rated working current 25,36,93A separately.
- The regulator seal of rated setting current and setting.
- Current of the thermal component(see Table below)

B. Auxiliary Circuit




- There is one pair of NO/ and N/C contact with electric insulation.
- Rated insulation voltage 500V.
- Rated frequency 50-60Hz.

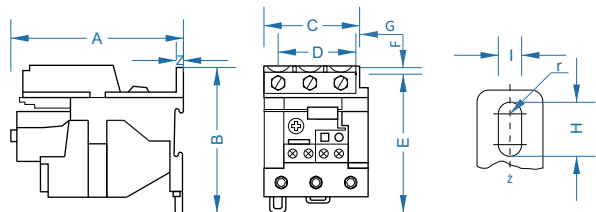
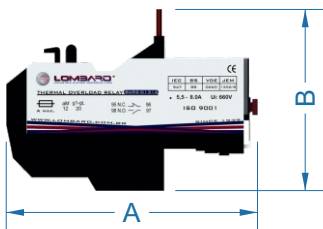
Technical Specifications



Type	Rated working current of thermal relay	Thermal component		
		Rated Currente (A)	Curente Setting Range	
BAR2-D13	25	NR225Z0A00	0.16	0.10-0.16
		NR225Z0B00	0.25	0.16-0.25
		NR225Z0C00	0.40	0.25-0.40
		NR225Z0D00	0.63	0.40-0.63
		NR225Z0E00	1.0	0.63-1.0
		NR225Z1A00	1.6	1.0-1.6
		NR225Z1B00	2.0	1.25-2.0
		NR225Z1C00	2.5	1.6-2.5
		NR225Z1D00	4.0	2.5-4.0
		NR225Z1E00	6.0	4.0-6.0
		NR225Z1F00	8.0	5.5-8.0
		NR225Z1G00	10.0	7.0-10.0
		NR225Z1H00	13.0	9.0-13.0
BAR2-D23	36	NR236Z2A00	32.0	23.0-32.0
		NR236Z2B00	36.0	28.0-36.0
BAR2-D33	93	NR293Z2A00	32.0	23.0-32.0
		NR293Z2B00	40.0	30.0-40.0
		NR293Z2C00	50.0	37.0-50.0
		NR293Z2D00	65.0	48.0-65.0
		NR293Z2E00	70.0	55.0-70.0
		NR293Z2F00	80.0	63.0-80.0
		NR293Z2G00	93.0	80.0-93.0



Contactor Type	Mounted Thermal Relay			
	Type	Rated Current	Recommended Fuse	
			aM	gG
NC1-09 NC1-12 NC1-18 NC1-25 NC1-32	 NR2 25/Z	0.10-0.16	0.25	2
		0.16-0.25	0.5	2
		0.25-0.40	1	2
		0.40-0.63	1	2
		0.63-1.0	2	4
		1.0-1.6	2	4
		1.25-2.0	4	6
		1.6-2.5	4	6
		2.5-4.0	6	10
		4.0-6.0	8	16
		5.5-8.0	12	20
		7.0-10.0	12	20
9.0-13.0	16	25		
12.0-18.0	20	35		
17.0-25.0	25	50		
NC1-32	 NR2 36/Z	23.0-32.0	40	63
		28.0-36.0	40	80
NC1-40 NC1-50 NC1-65 NC1-80 NC1-95	 NR2 93/Z	23.0-32.0	40	63
		30.0-40.0	40	100
		37.0-50.0	63	100
		48.0-65.0	63	100
		55.0-70.0	80	125
		63.0-80.0	80	125
80.0-93.0	100	160		



RELAY	A	B	C
NR2-25	94max	66max	46max
NR2-36	94max	78max	55max
NR2-93	117max	83max	72max

RELAY / RELAY BASE	A	B	C	D	E	F	G	H	I
NR2-25 - BASE NR2-25	98max	72max	46max	35	55,8	6,2	4,4	9,5	4,5
NR2-36 - BASE NR2-36	98max	90max	55max	40	54,5	7,8	9,2	9,5	4,5
NR2-93 - BASE NR2-93	121max	100max	75max	50	82	8	12,3	10,4	4,5