

AHR01

APPLICATION

This series of thermal relay can be used in the circuit of 50Hz or 60Hz, rated insulation voltage 660V, rated current 0.1-93A for protecting the phase break when the electric motor is overload.

The relay has different mechanism and temperature compensation & can be plugged in AA01、LC1-D series AC contact. It is the most advanced thermal relay in the nineties in the world.



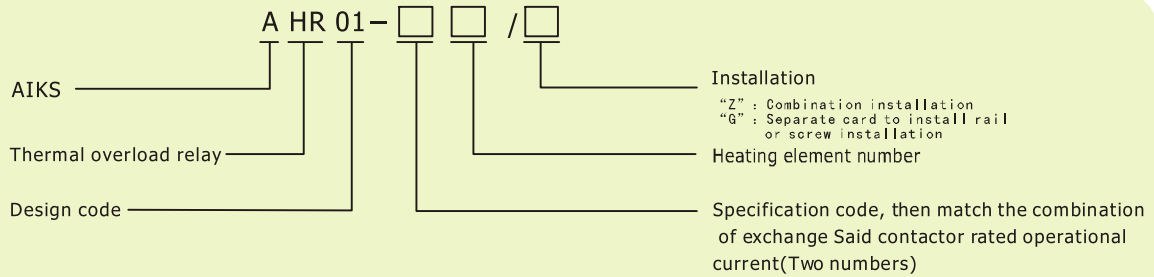
► CHARACTERISTICS

- a. Fundamental parameter of the main circuit
 - (a). Rated insulation voltage 660V.
 - (b). Rated working current 25, 36, 93A.
 - (c). The regulator seal of rated setting current and setting.
 - (d). Current of the thermal component
- b. Auxiliary circuit
 - (a). There are one pair of N/O and N/C contact with electric insulation.
 - (B). Rated insulation voltage 500V.
 - (c). Rated frequency 50-60Hz.
 - (D). Use group, rated working voltage, appoint thermal current and rated current.

► Technical parameters

Type	AHR01-13	AHR01-23	AHR01-33	AHR01-43		
Current level	25	40	93	140		
Rated voltage insulation(V)	690	690	690	690		
Open phase protection	Have	Have	Have	Have		
The manual and automatic reset	Have	Have	Have	Have		
Temperature compensation	Have	Have	Have	Have		
Tripping instructions	Have	Have	Have	Have		
Test button	Have	Have	Have	Have		
Stop button	Have	Have	Have	Have		
installation	Insert	Insert	Insert	Insert		
Auxiliary contacts	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC		
AC-15 220V Rated current A	2.73	2.73	2.73	2.73		
AC-15 380V Rated current A	1.58	1.58	1.58	1.58		
DC-15 220V Rated current A	0.2	0.2	0.2	0.2		
Wire cross-sectional area mm ²	Main circuit	Single core or stranded inner line	1~4	4~10	4~35	4~35
		Connection screws	M4	M4	M10	M10
	secondary circuit	Single core or stranded inner line	0.5~2.5	0.5~2.5	0.5~2.5	0.5~2.5
		Connection screws	M3.5	M3.5	M3.5	M3.5

► MODEL DESCRIPTION



► 选型说明

Note: This product is the separation of mounting accessories, the company supplies electricity regulati on setting the scope and number (the standard form used by the motor contactor)

Type	Current adjusting range (A)	Control motor power(AC3)					Control motor power	Weight (KG)	Short-circuit protection With fuse (A)	
		(KW)							am	Gg
		220V	380V	415V	440V	660V	AA01-09-32	0.120		
AHR01-1301	0.1-0.16						AA01-09-32	0.120	0.25	—
AHR01-1302	0.16-0.25						AA01-09-32	0.120	0.5	—
AHR01-1303	0.25-0.40						AA01-09-32	0.120	1	2
AHR01-1304	0.40-0.63					0.37	AA01-09-32	0.120	1	2
AHR01-1305	0.63-1					0.55	AA01-09-32	0.120	2	4
AHR01-1306	1-1.3		0.37		0.55	0.75 1.1	AA01-09-32	0.120	2	4
AHR01-1307	1.6-2.5	0.37	0.55 0.75	1.1	0.75 1.1	1.5	AA01-09-32	0.120	4	6
AHR01-1308	2.5-4	0.55 0.75	1.1 1.5	1.1	1.5	3	AA01-09-32	0.120	6	10
AHR01-1310	4-6	1.1	2.2	2.2	2.2	4	AA01-09-32	0.120	8	16
AHR01-1312	5.5-8	1.5	3	3 3.7	3 3.7	5.5	AA01-09-32	0.120	12	20 20
AHR01-1314	7-10	2.2	4	4	4	7.5	AA01-09-32	0.120	12	
AHR01-1316	10-13	3	5.5	5.5	5.5	10	AA01-09-32	0.120	16	32
AHR01-1321	13-18	4	7.5	9	9	15	AA01-09-32	0.120	20	32

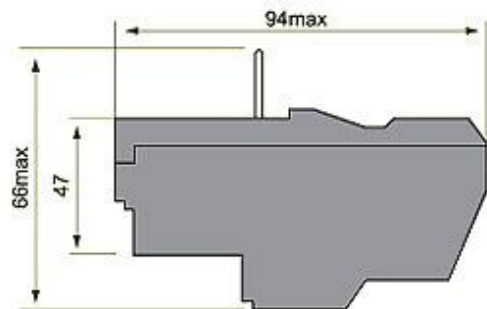
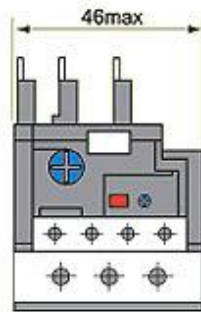
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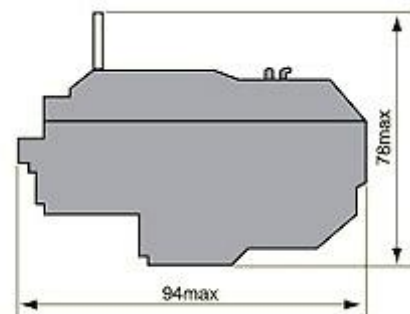
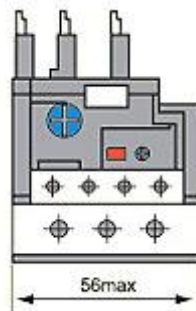
AHR01-1322	18-25	5.5	11	11	11	18.5	AA01-09-32	0.120	25	50
AHR01-2353	23-32	7.5	15	15	15	22	AA01-09-32	0.300	40	63
AHR01-2355	28-40	10	18.5	22	22	30	AA01-40-65	0.300	40	80
AHR01-3353	23-32	7.5	15	15	15	22	AA01-40-65	0.340	40	63
AHR01-3355	30-40	10	18.5	22	22	30	AA01-40-65	0.340	40	80
AHR01-3357	38-50	11	22	25	25	37	AA01-40-65	0.340	63	100
AHR01-3359	48-57	15	25	30	30	45	AA01-40-65	0.340	63	100
AHR01-3361	57-66	18.5	30	37	37	55	AA01-40-95	0.340	63	100
AHR01-3363	63-80	22	37	45	45	75	AA01-40-95	0.450	80	125

▶ OUTLINE DIMENSIONS, PC BOARD LAYOUT Unit: mm

AHR01-13 □□/Z (Plug-in)

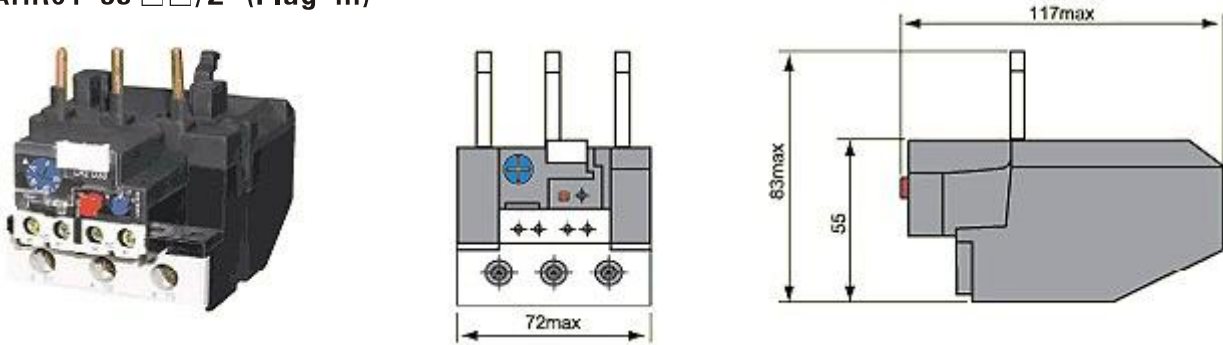


AHR01-23
AHR01-13 □□/Z (Plug-in)

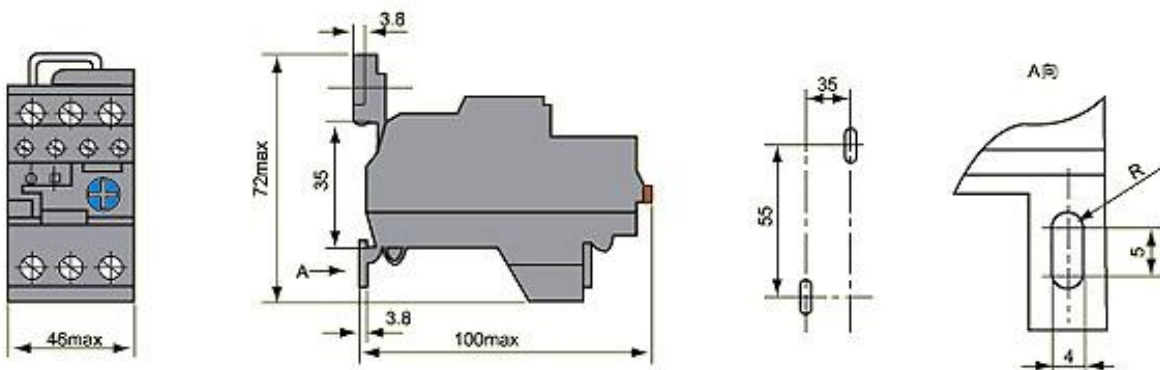


▶ **OUTLINE DIMENSIONS, PC BOARD LAYOUT** Unit: mm

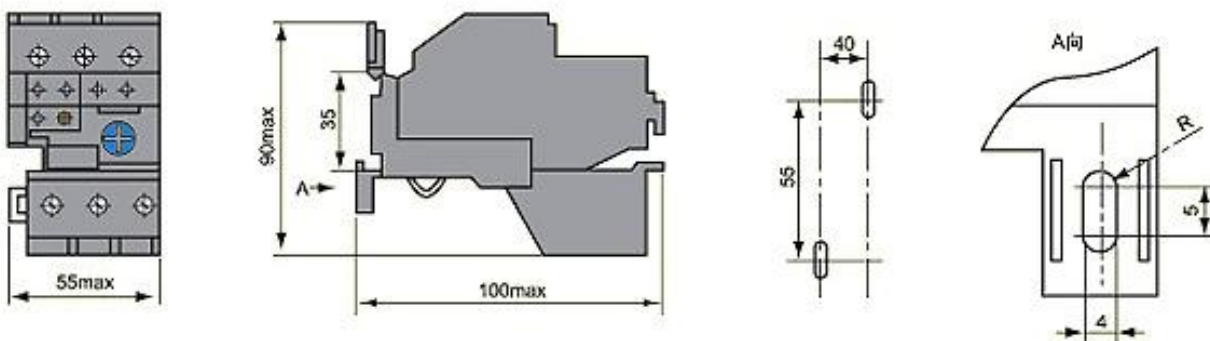
AHR01-33 □□/Z (Plug-in)



AHR01-13 □□/G (Standalone)

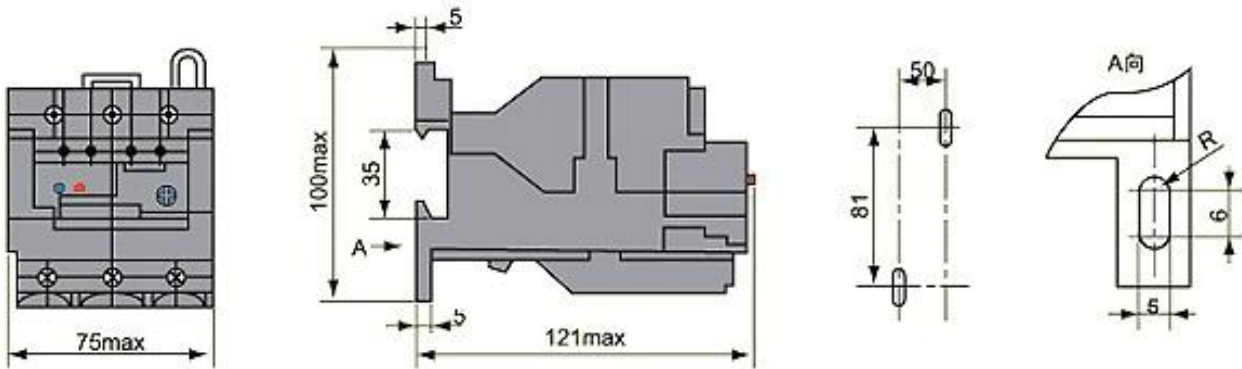


AHR01-23 □□/G (Standalone)



▶ **OUTLINE DIMENSIONS, PC BOARD LAYOUT** Unit: mm

AHR01-33 □□/G (Standalone)



▶ **Appendix**



AHR01-13Z (Installation seat)

Whit AHR01-13 □□/□Independently
install the product portfolio



AHR01-23Z (Installation seat)

Whit AHR01-33 □□/□Independently
install the product portfolio



AHR01-33Z (Installation seat)

Whit AHR01-33 □□/□Independently
install the product portfolio