

RT16 Series AC Knife Contact Fuse

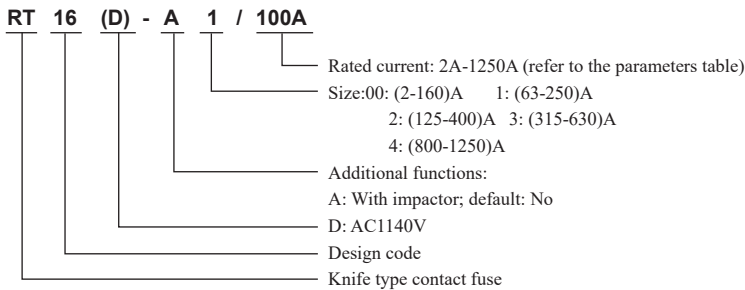


1 Overview

RT16 Series AC Knife Contact Fuse has the advantages of Small volume, light weight, low power consumption and high breaking capacity, and is used in AC power distribution device with rated frequency 50Hz, rated voltage up to C500V/AC690V and below, and with rated current up to 1250A for overload and short-circuit protection. Also, the product with an “impactor” function is selected and used in the electrical devices such as power distribution device for signal output in case of product fusing.

Standard: IEC60269-2.

2 Type Designation



3 Technical Parameters

Model	Similar models at home and abroad	Rated current (A)	Rated voltage (V)	Rated power dissipation (W)	Rated breaking capacity (W)
RT16-00	/	2	800/1140	1.3	100
		4		1.5	
		6		1.6	
		8		1.7	
		10		1.8	
		16		2.1	
		20		2.5	
		25		3.1	
		32		3.6	
		40		4.0	
		50		5.3	
		63		6.2	
		80		6.9	
		100		10.0	
		125		11.6	
		160		12	

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Model	Similar models at home and abroad	Rated current (A)	Rated voltage (V)	Rated power dissipation (W)	Rated breaking capacity (W)
RT16-00	RT36-00 NT00	2	500/690 800V(custom)	1.3	120/50 100(800V)
		4		1.5	
		6		1.6	
		8		1.7	
		10		1.8	
		16		2.1	
		20		2.5	
		25		3.1	
		32		3.6	
		40		4.0	
		50		5.3	
		63		6.2	
		80		6.9	
		100		10.0	
		125		11.6	
		160		12	
RT16-1	RT16-1 NT1	80	500/690	8.4	120/50
		100		12.3	
		125		13.7	
		160		16.6	
		200		21.2	
		250		23.0	
RT16-2	RT16-2 NT2	125	500/690	21.7	120/50
		160		23.1	
		200		26.8	
		224		29.1	
		250		31.2	
		315		32.5	
		350		33.6	
		400		34.0	
RT16-3	RT36-3 NT3	315	500/690	34.5	120/50
		400		38.0	
		500		45.3	
		630		48.0	
		800	690	75.3	100
RT16-4	RT36-4 NT4	800	500/690	75.3	120/50
		1000		91.5	
		1250		110	

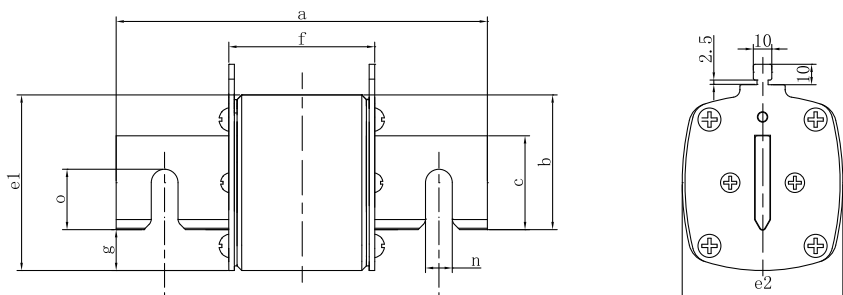
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4 Operating

- 4.1 Ambient temperature: Not greater than 40°C; the average measured within 24h does not exceed 35°C, and measured within one year is below this value. The minimum value of ambient air temperature is -5°C.
- 4.2 Altitude: Not exceed 2,000 meters.
- 4.3 Atmospheric conditions: The air is clean, and its relevant humidity does not exceed 50% at the maximum temperature 40°C; a higher relevant humidity is allowed at the lower temperature. For example, the relevant humidity can reach 90% at 20°C; the middle condensation may occur occasionally due to the temperature changes under those conditions.
- 4.4 Pollution degree: 3.
- 4.5 Installation category: Class III.
- 4.6 If the use conditions are different from the above, please contact the manufacturer.

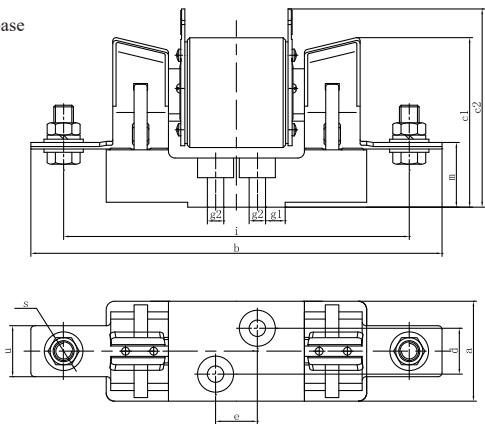
5 Outline and Installation Dimensions

5.1 Fuse dimensions



Model	Size mm										
	a	b	c	e1	e2	f	g	H	m	n	o
RT16D-00	95±2	34±1.5	15±1	45±1	29±1	66±1.5	13±2	5.9±0.2	-	-	-
RT16-00	78.5±2	35±1.5	15±1	45±1	28.5±1	50±1.5	13±2	5.9±0.2	-	-	-
RT16-1	133±3	40±1.5	20±1	48±1.5	48±1.5	67±3	13±2	5.9±0.2	-	-	-
RT16-2	148±3	48±1.5	26±1	58±1.5	58±1.5	67±3	13±2	5.9±0.2	-	-	-
RT16-3	148±3	60±2.5	32±1	66.5±1.5	66.5±1.5	67±3	16±2	5.9±0.2	-	-	-
RT16-4	203±3	83±2.5	50±1	93±2	88±3	90±3	20±2	7.8±0.2	150±3.0	15±1	33±1

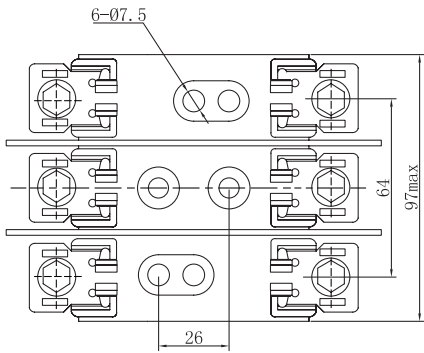
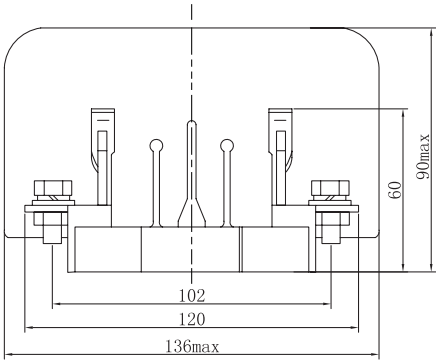
5.2 Outline dimensions of fuse base



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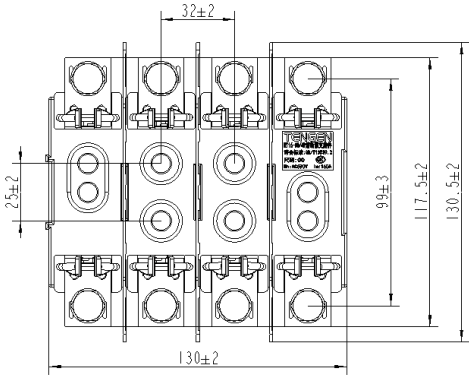
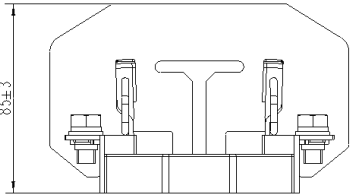
Size	RT16D-00	RT16-00	RT16-1	RT16-2	RT16-3	RT16-4
a	30	30	58	64	64	88
b	126	120	200	225	250	304
c1	64	60	82	98	105	145
c2	89	85	96	112	120	165
d	0	0	30	30	30	45
e	30	25	25	25	25	30
g1	8	8	15	17	17	24
g2	6.2	7.5	10.5	10.5	10.5	13
i	118.5	100	175	200	210	260
m	30	25	38	40	40.5	47.5
s	M8	M8	M10	M12	M12	M16
u	20	20	25	30	40	45

5.3 RT16-00 series 3P base installation dimensions



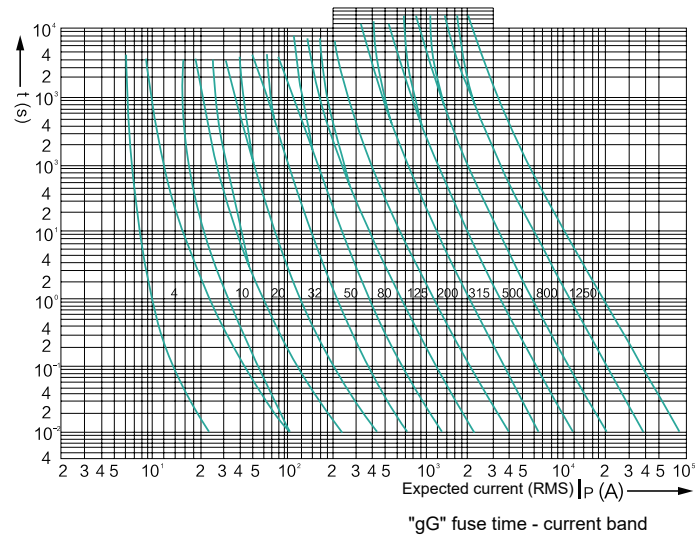
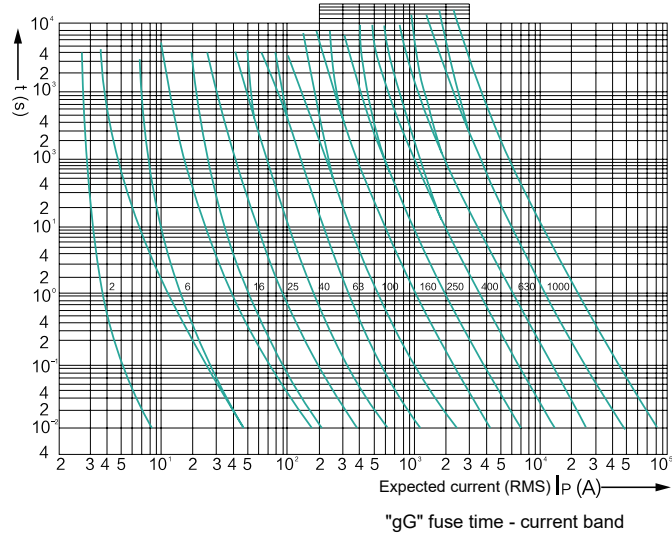
(RT16-00 3P base)

5.4 RT16-00 series 4P base installation dimensions



RT16 Series AC Knife Contact Fuse

6 Fuse characteristic curve



7 Ordering Notice

7.1 Please specify the following items when ordering:

- 7.1.1 Specify the product mode, rated current, and quantity of fuse.
- 7.1.2 Specify the model, specification, seat, and order quantity of seat.

7.2 Order example:

For RT16-00/100A, 100 sets, indicate 100 RT16-00 fuses with rated current of AC 100A are ordered.

For RT16-00 (base), 100 pcs, indicate 100 pieces of RT16-00 AC fuse base are ordered.