

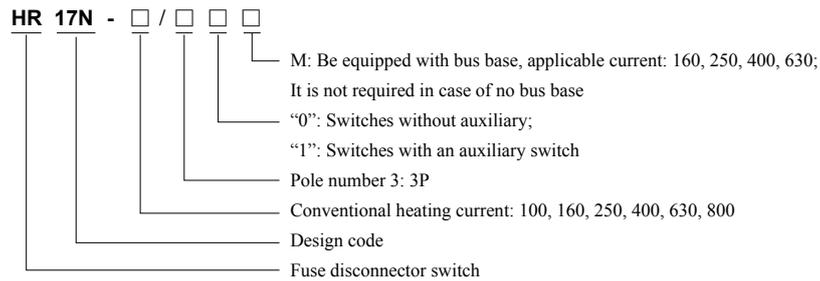
HR17N Series Fuse Disconnecter Switches



1 Product overview

HR17N series fuse disconnecter switch is used in AC low-voltage distribution device with the power of 50Hz, rated voltage of circuit current 690V and rated current of 800A, and is suitable for distribution current and motor circuits with high short t. It is used as power switch, switch disconnecter and emergency switch, and used for circuit protection, but generally not used for direct power on and power off of a motor. This product complies with IEC60947-3 standards.

2 Type designation



3 Product parameter

Main technical parameters							
Conventional heating current Ith	100	160	250	400	630	800	
Rated operating current Ie(A)	10, 16, 20	2, 4, 6, 8					
	25, 32, 40	10, 16, 20	80, 100	125, 160	315, 400	315, 400	
	50, 63, 80	25, 32, 40	125, 160	200, 224	500, 630	500, 630	
	100	50, 63, 80	200, 250	250, 315			800
		100, 125		350, 400			
		160					
Rated insulation voltage Ui(V)	1000						
Rated operating voltage Ue(V)	AC415/690 50Hz						
Rated impulse withstand voltage Uimp(kV)	12						
Utilization category	AC-23B/AC-22B						
Rated limited short-circuit current Iq(kA)	100/50						
Fuse	Model	RT18-125	RT16-00	RT16-1	RT16-2	RT16-3	RT16-3
	Dissipation power (W)	9.5	12	23	34	48	75.3
Rated operating mechanism	8 hours						

4 Normal working conditions and installation conditions

4.1 Ambient air temperature

The ambient air temperature shall be not higher than +40°C and the average temperature within 24 hours shall be not higher than +35°C. Ambient air temperature shall not be lower than -5°C.

4.2 Altitude

The altitude of installation site shall not be more than 2,000m.

4.3 Atmospheric conditions

4.3.1 When the maximum temperature is +40°C, the relative humidity of atmosphere at the installation site shall be not higher than 50%, and a higher relative humidity is allowed at the lower temperature. For example, the relative humidity can reach 90% at 20°C. Special measures shall be taken to deal with occasional condensation due to temperature change.

4.3.2 Pollution grade: 3.

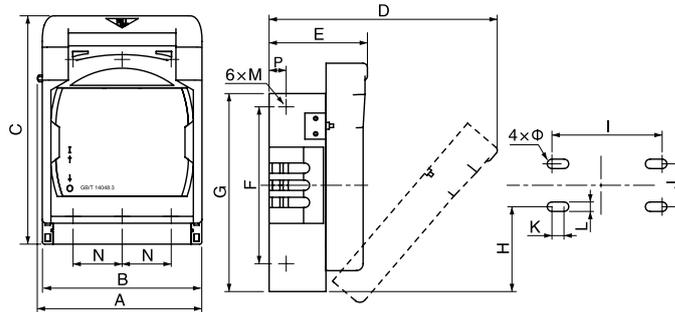
4.4 Installation category: III; They shall be installed in a place without significant shake, shock and vibration, and invasion of rain and snow, where there shall be no media with explosive danger which does not contain any gas or dust sufficient to corrode metal and damage the insulation.

4.5 It shall be installed vertically. The indicating position of the handle indicating end shall be consistent with the product status.

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5 Outline and installation dimension

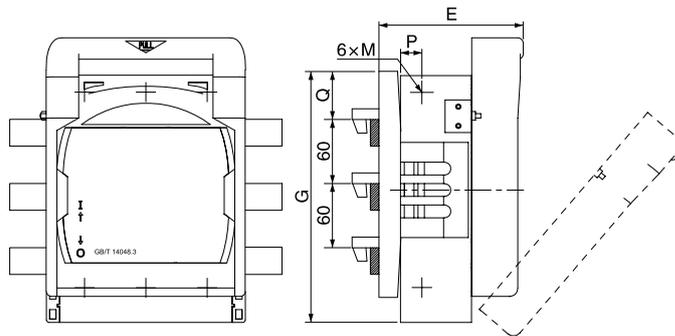
5.1 Outline and installation dimension of fixed type



Model	A	B	C	D	E	F	G	H	I	J	K	L	φ	M bolt	N	P
HR17N-100/3	109	104	138	180	83	-	120	-	31	104	-	-	6	M7	31	14
HR17N-160/3	116	108	177	205	83	116	153	70	72	25	6.5	6.5	-	M8	33	18
HR17N-250/3	191	186	267	300	115	183	231	99	128	50	14	11	-	M10	57	22
HR17N-400/3	214	210	300	330	127	210	252	103	130	50	-	11	11	M10	65	25
HR17N-630/3	255	249	332	385	155	210	292	134	150	50	-	-	9	M12	80	32
HR17N-800/3	271	268	343	399	193	212	332	136	176	60	-	-	9	M12	88	32

Note: "F and N" refer to the spacing between terminals; "P" refers to the distance between terminals and floor.

5.2 Outline and installation dimension of bus type



Model	E	G	M bolt	Q	P
HR17N-160	117	161	M8	45	18
HR17N-250	160	235	M10	69	22
HR17N-400	153	264	M10	64	25
HR17N-630	191	315	M12	112	32

Note: 1. For bus installation, the product body is same with that of fixed installation, i.e., install a bus base on the fixed product. Refer to the fixed installation for the same size.

2. The 800 frame bus-installed product is not on the market yet.

6 Ordering instructions

6.1 Please specify following contents when ordering

When ordering, please specify product name, model, conventional heating current (indicating the rated current of the fuse) and pole number, with a micro-switch or not, with a bus base or not, requiring a customized low-power consumption fuse for meeting the demand of thermal test or not, and the number of switches.

6.2 Example for ordering: For example, HR17N-400/31 400A 100 sets.