

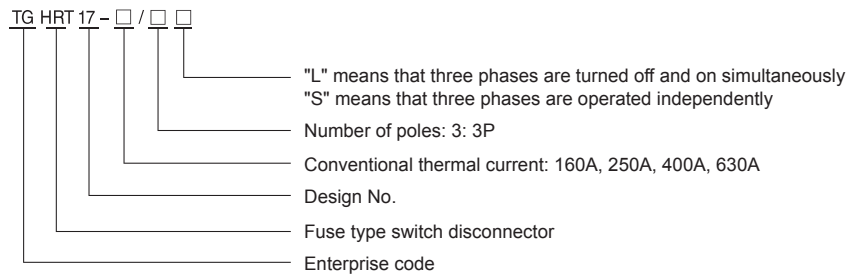
TGHRT17 Series Fuse Switch Disconnecter



1 Overview

TGHRT17 series fuse switch disconnector (hereinafter referred to as the disconnector) is mainly used in the distribution circuit and motor circuit with the rated voltage AC400V/AC690V (50Hz), the conventional thermal current up to 630A and the high short circuit current as a power switch, a switch disconnector, and an emergency switch and as circuit overload and short-circuit protection, but it cannot be used for directly start or stop the electric motor. This product complies with GB14048.3 standard.

2 Type Designation



3 Technical Parameters

Table 1

Main technical parameters				
Conventional thermal current Ith (A)	160	250	400	630
Rated insulation voltage Ui (A)	1000			
Rated operating voltage Ue (V)	AC690			
Rated impulse withstand voltage Uimp (kV)	12			
Fuse model	RT16-00	RT16-1	RT16-2	RT16-3
Rated operating current Ie (A)	2, 4, 6, 8, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	80, 100, 125, 160, 200, 250	125, 160, 200, 250, 315, 350, 400	315, 350, 400, 500, 630
Fuse power loss (W)	12	23	34	48
Use category	AC-21B			
Rated limit short circuit current Iq (kA)	50			
Number of poles	3P			

4 Operating Conditions

- 4.1 The upper limit of ambient air temperature does not exceed +40°C, and the lower limit shall not be below -5°C.
- 4.2 The altitude of the installation site shall not exceed 2000mm.
- 4.3 Humidity: The relative humidity does not exceed 50% at a maximum temperature of +40°C, and a higher relative humidity is allowed at low temperatures, such as up to 90% at 20°C. Special measures should be taken for condensation occurred occasionally due to temperature changes.
- 4.4 The pollution degree of the ambient environment is Level 3.
- 4.5 The switch should be installed vertically in a place where there is no significant shaking, no shock vibration, and no rain or snow attacks, and there is no explosive hazard medium containing gas or dust sufficient to cause metal corrosion and insulation damage at the installation site.

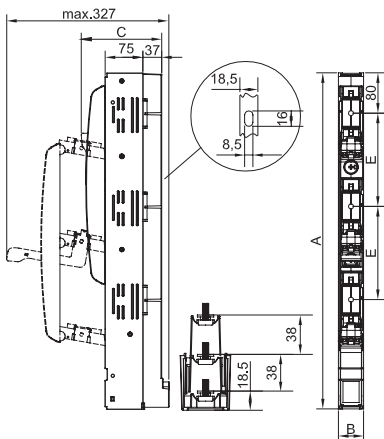
5 Structure Features

The disconnector is composed of a base, a support, a cover, a handle and a protective cover. NT series fuses are installed on the support and can directly replace knife switches; the support points of the handle along the base are rotating in a fan-shaped manner to turn off and turn on the fuse together with the cover, and there are a large breaking distance and an obvious breaking point to meet the requirements of the switch with isolation functions. The support and base shall be easily dismantled to ensure that the support can be installed on the busbar safely and reliably. There is an arc extinguishing chute on the base to ensure the arc extinguishing and breaking capacity of the switch.

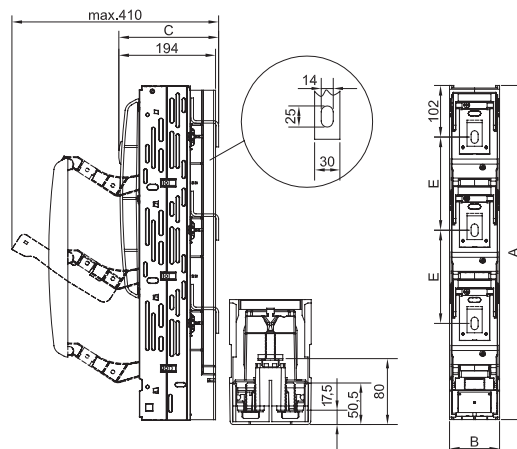
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6 Outline and Installation Dimensions

6.1 Outline and installation dimensions for simultaneously-operated three phases

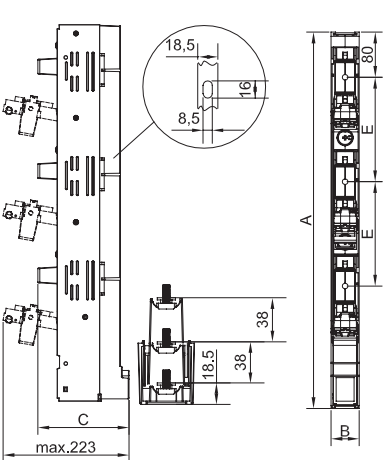


Simultaneous operation of 160 three phases

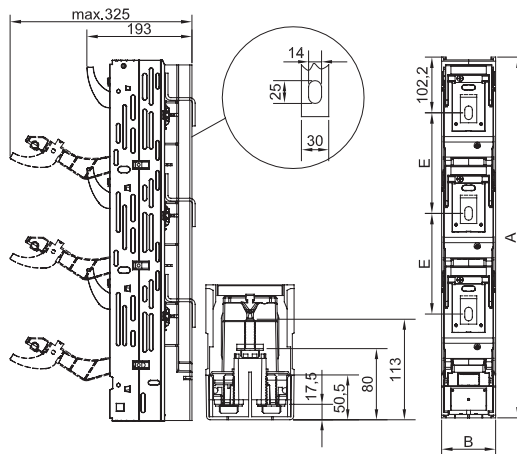


Simultaneous operation of 250, 400, 630 three phases

6.2 Outline and installation dimensions for independently-operated three phases



Independent operation of 160 three phases



Independent operation of 250, 400, 630 three phases

Model	A	B	C	E	M
TGHRT17-160/3L	669	50	164	185	M8
TGHRT17-160/3S	667	50	162	185	M8
TGHRT17-250, 400, 630/3L	665	100	198	185	M10
TGHRT17-250, 400, 630/3S	665	100	190	185	M12

7 Ordering Notice

Please specify the type feature, voltage grade, current grade, number of poles, operation mode and quantity of the disconnector when ordering. For special ordering requirements, please contact our company's technical department.
For example: TGHT17-250/3L 10 sets.