

CDHR16 条形熔断器式隔离开关
CDHR16 Strip type fuse isolator

Instruction manual



Meet the standard : **GB/T 14048.3**

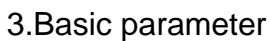
Before installing and using
the product, please read the instruction manual
carefully and keep it properly.

1.1 Product characteristics

1.2 Scope of application

2.Type description

2.1 Isolation switch model description



Model	Rated operating current (A)	agreed heating current (A)	Rated operating voltage (V)	Rated insulation voltage (V)	Category of use	Number of poles	Rated limited short circuit current (kA)		With fuse body
							AC500V	AC690V	
CDHR16-160L CDHR16-160	160	160	AC500/690	800	AC-22B	3P	100	50	RT16-00 (NT00)
CDHR16-250L CDHR16-250	250	250							RT16-1 (NT1)
CDHR16-400L CDHR16-400	400	400							RT16-2 (NT2)
CDHR16-630L CDHR16-630	630	630							RT16-3 (NT3)

4. Normal working conditions and installation conditions

4.1 Normal working condition

4.1.1 Ambient air temperature

The upper limit of ambient air temperature does not exceed 40°C , and the average value measured in 24h does not exceed 35°C . The lower limit of ambient air temperature is not lower than -5°C .

4.1.2 Altitude

The altitude of the installation site does not exceed 2000m.

4.1.3 Atmospheric condition

The maximum temperature is $+40^{\circ}\text{C}$, the relative humidity of the air does not exceed 50%, and a higher relative humidity can be allowed at lower temperatures, such as 90% at $+20^{\circ}\text{C}$. Special measures should be taken for occasional condensation due to temperature changes.

4.2 Normal installation condition

4.2.1 Installation category

The installation category of the disconnecter is 3

4.2.2 Pollution level

The pollution level of the environment around the isolation switch is level 3.

4.3 The isolation switch shall be installed vertically in a place where there is no significant shaking, shock vibration and no rain or snow attack. At the same time, the installation place shall be free from explosive dangerous media, and there is no gas and dust in the media that can corrode metal and destroy insulation.

5 Dimensions and mounting dimensions of the isolation switch

5.1 Dimensions and mounting dimensions of the isolation switch

The dimensions and mounting dimensions of the isolation switch are shown in Figure 1 and Table 2

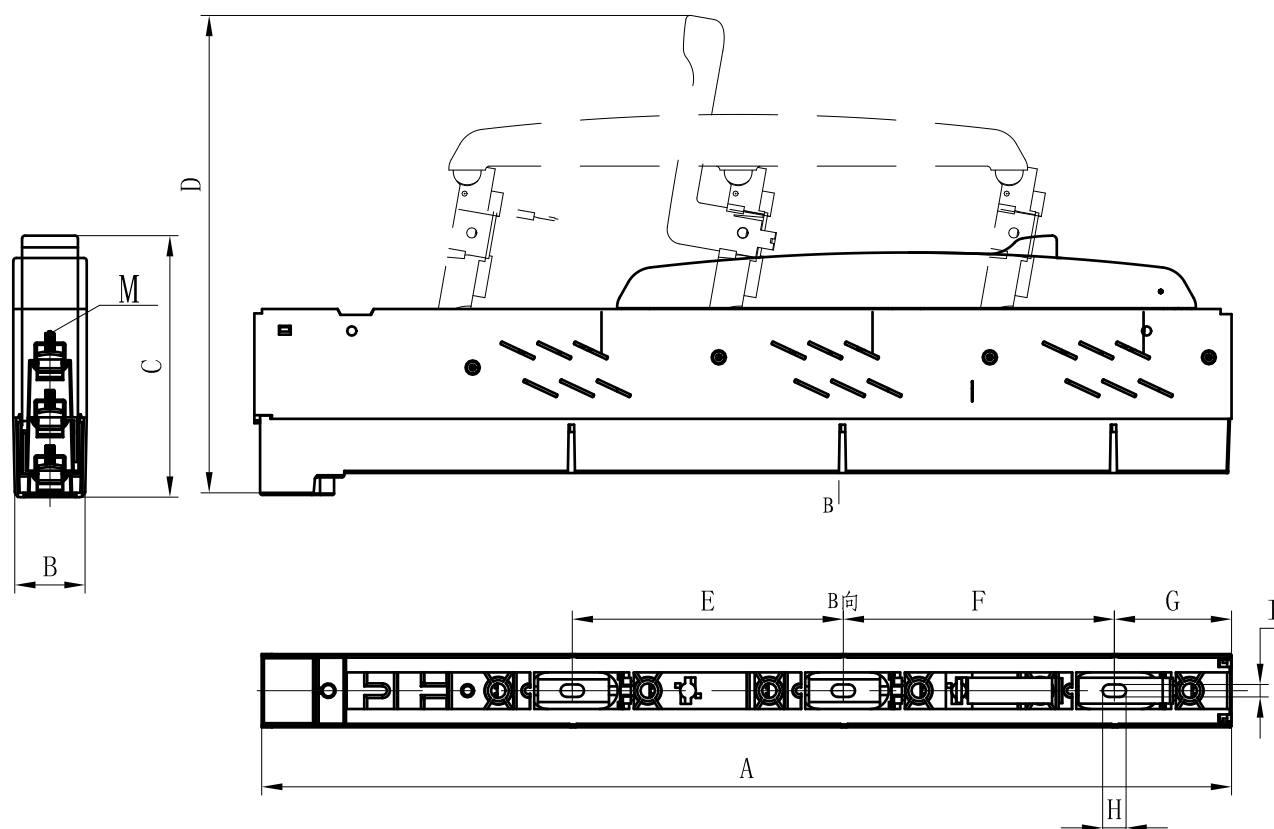


Table 2 Outline dimensions and mounting dimensions of the isolation switch

Model number	A	B	C	D	E
CDHR16-160L	662 ± 3	50 ± 1	175 ± 2	325 ± 3	185 ± 1
CDHR16-160	662 ± 3	50 ± 1	165 ± 2	228 ± 3	185 ± 1
CDHR16-630L	662 ± 3	100 ± 1	196 ± 2.7	420 ± 4	185 ± 1
CDHR16-630	662 ± 3	100 ± 1	193 ± 2.7	334 ± 3	185 ± 1

Table 2 (continued)

Model number	F	G	H	I	M	
CDHR16-160L	185 ± 1	80 ± 1	16 ± 0.2	8.5 ± 0.1	M8	
CDHR16-160	185 ± 1	80 ± 1	16 ± 0.2	8.5 ± 0.1	M8	
CDHR16-630L	185 ± 1	90 ± 1	32 ± 1	14 ± 0.2	M12	
CDHR16-630	185 ± 1	90 ± 1	32 ± 1	14 ± 0.2	M12	

6 Normal operation and maintenance

The cross-sectional area of the isolation switch connection wire is recommended in Table 4

The cross-sectional area of the connecting wire of the isolation switch

Model number	Rated current of the fuse A	Cross-sectional area of connecting wire mm ²
CDHR16-160L, CDHR16-160	160	70
CDHR16-250L, CDHR16-250	250	120
CDHR16-400L, CDHR16-400	400	240
CDHR16-630L, CDHR16-630	630	$2 \times (40 \times 5)$

When the fuse is blown, the load power supply should be disconnected and the handle should be pulled away when replacing the fuse. Remove the replacement fuse body from the top, push the new fuse body directly along the card slot, and apply an appropriate amount of conductive paste on the surface of the contactor. Replacement must be replaced with the same model, the same size, rated current and the original use of the same fuse body of the new fuse, do not replace with copper wire. When replacing the fuse, please pay attention to remove the dust and other dirt on the contact.