

Number of poles

3



Similar to image

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH000,  
160A MOUNTING PLATE CONSTRUCTION COVER LEVEL  
45 MM BOX TERMINAL FUSE MONITORING  
ELECTRONIC,  
EFM 10

### General technical details:

product brand name	SENTRON
Product designation	Fuse switch disconnecter
Fuse system	LV HRC fuse
Installation size of fuse-link	NH000
Installation size of disconnecting link	000
Type from device	Auf- und Einbau
Design of the product	3-pole
Design of the operating mechanism	handle unit
Type of the driving mechanism / motor drive	No
Design of the safety monitoring	elektronisch EFM10
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
Number of changeover contacts / for auxiliary contacts	0
Design of the load switch / Strip form	No
Product equipment / interlock	Yes
Product feature / sealable	Yes
Product component	

• phase failure monitoring		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
• trip indicator		Yes
<b>Acceptability for application</b>		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
<b>Product function</b>		
• fuse monitoring		Yes
• overvoltage protection monitoring		No
<b>Product extension</b>		
• auxiliary switch		Yes
• optional		
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
• motor drive		No
<b>Continuous current</b>		
• rated value	A	100
• at 35 °C / rated value	A	160
• at 40 °C / rated value	A	150
• at 45 °C / rated value	A	140
• at 50 °C / rated value	A	130
• at 55 °C / rated value	A	120
<b>Operating current</b>		
• at AC-21 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	160
• at 690 V / rated value	A	160
• at AC-22 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	125
• at 690 V / rated value	A	50
• at AC-23 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	40

<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	A	25
<ul style="list-style-type: none"> <li>• with capacitive load</li> </ul>		
<ul style="list-style-type: none"> <li>• at 400 V / maximum</li> </ul>	A	72
<ul style="list-style-type: none"> <li>• at 500 V / maximum</li> </ul>	A	55
<b>Let-through current</b>		
<ul style="list-style-type: none"> <li>• with speedy activation / maximum permissible</li> </ul>	kA	10
<ul style="list-style-type: none"> <li>• with closed switch / maximum permissible</li> </ul>	kA	15
<b>Conditional short-circuit current (I<sub>q</sub>)</b>		
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	kA	80
<ul style="list-style-type: none"> <li>• at 500 V / with AC / with speedy activation / rated value</li> </ul>	kA	80
<ul style="list-style-type: none"> <li>• at 690 V / with AC / with speedy activation / rated value</li> </ul>	kA	80
<ul style="list-style-type: none"> <li>• with closed switch</li> </ul>		
<ul style="list-style-type: none"> <li>• at 500 V / with AC / rated value</li> </ul>	kA	120
<ul style="list-style-type: none"> <li>• at 690 V / with AC / rated value</li> </ul>	kA	120
<b>Tension d'emploi</b>		
<ul style="list-style-type: none"> <li>• for AC / rated value</li> </ul>	V	230 ... 690
<b>Power factor</b>		
<ul style="list-style-type: none"> <li>• at AC-21 B</li> </ul>		0.95
<ul style="list-style-type: none"> <li>• at AC-22 B</li> </ul>		0.65
<ul style="list-style-type: none"> <li>• at AC-23 B</li> </ul>		0.45
<ul style="list-style-type: none"> <li>• with capacitive load</li> </ul>		-0.25
<b>Active power loss / maximum</b>	W	9
<b>Insulation voltage / rated value</b>	V	690
<b>Impulse voltage resistance / rated value</b>	kV	8
<b>I<sub>2t</sub> value / with closed switch / maximum permissible</b>	kA <sup>2</sup> ·s	56
<b>Item designation</b>		
<ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> </ul>		Q
<ul style="list-style-type: none"> <li>• according to DIN EN 81346-2</li> </ul>		Q

#### Connection elements and terminals:

<b>Design of the electrical connection / for main current circuit</b>		box terminals
<b>Conductor cross section that can be connected / for main contacts</b>		
<ul style="list-style-type: none"> <li>• single- or multi-stranded</li> </ul>	mm <sup>2</sup>	1.5 ... 50
<ul style="list-style-type: none"> <li>• stranded</li> </ul>	mm <sup>2</sup>	1.5 ... 50
<ul style="list-style-type: none"> <li>• stranded wire / with conductor end processing</li> </ul>	mm <sup>2</sup>	1.5 ... 35
<b>Type of connectable conductor cross-sections / of laminated conductors</b>		
<ul style="list-style-type: none"> <li>• maximum</li> </ul>		8 x 8 mm
<b>Tightening torque</b>		
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	N·m	10 ... 12

Arrangement of electrical connectors / for main current circuit	sonstige
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#### Degree of protection and safety class:

<b>IP degree of protection</b> <ul style="list-style-type: none"> <li>• open</li> <li>• on the front</li> <li>• with closed switch <ul style="list-style-type: none"> <li>• without cover or cable lug cover</li> <li>• with cover or cable lug cover</li> </ul> </li> </ul>	IP20 IP40  IP30 IP40
<b>Degree of pollution</b>	3
<b>Mechanical operating cycles as operating time / typical</b>	2,000










#### Ambient conditions:

<b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> </ul>	°C °C	-25 ... +55 -50 ... +80
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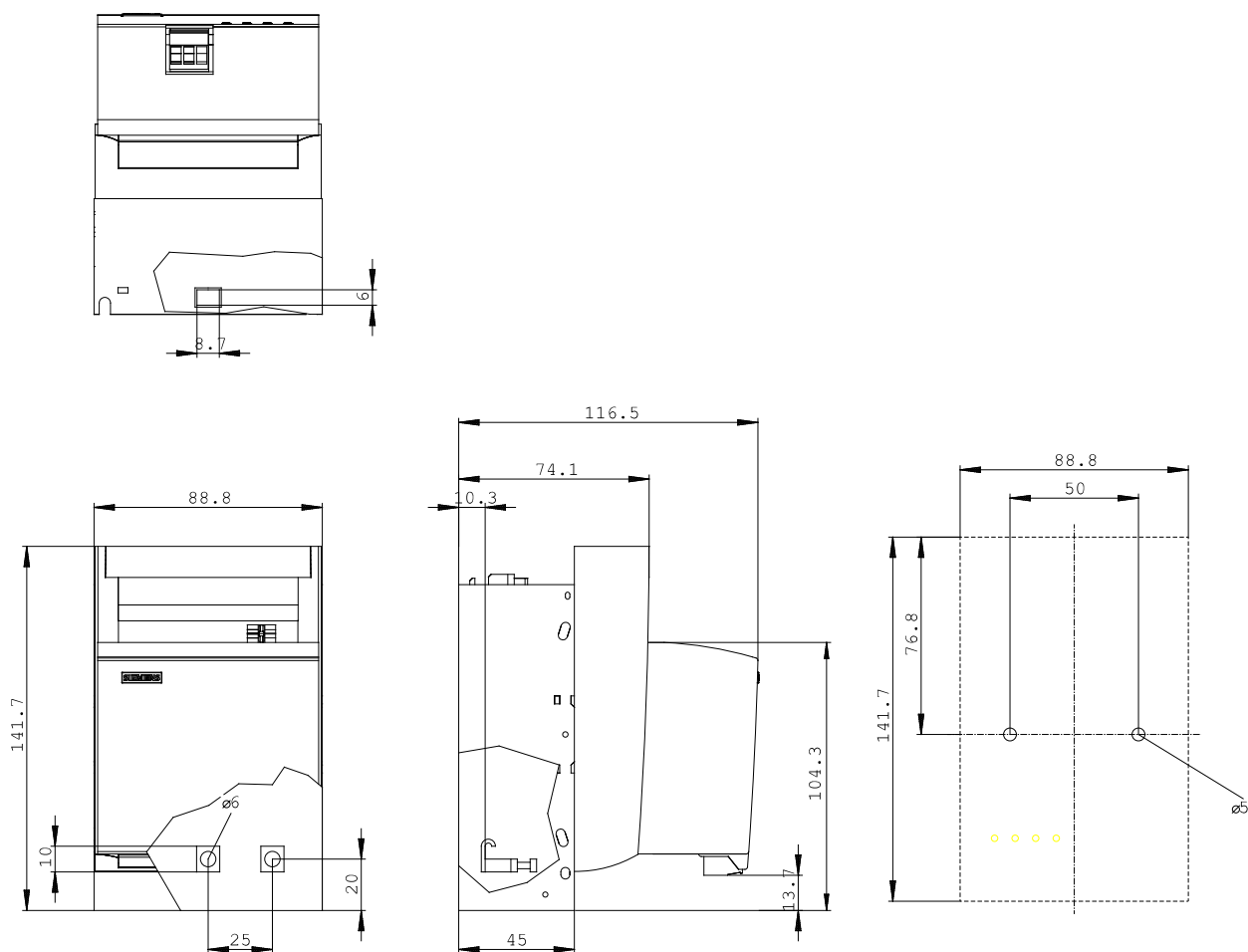
#### Installation/mounting/dimensions:

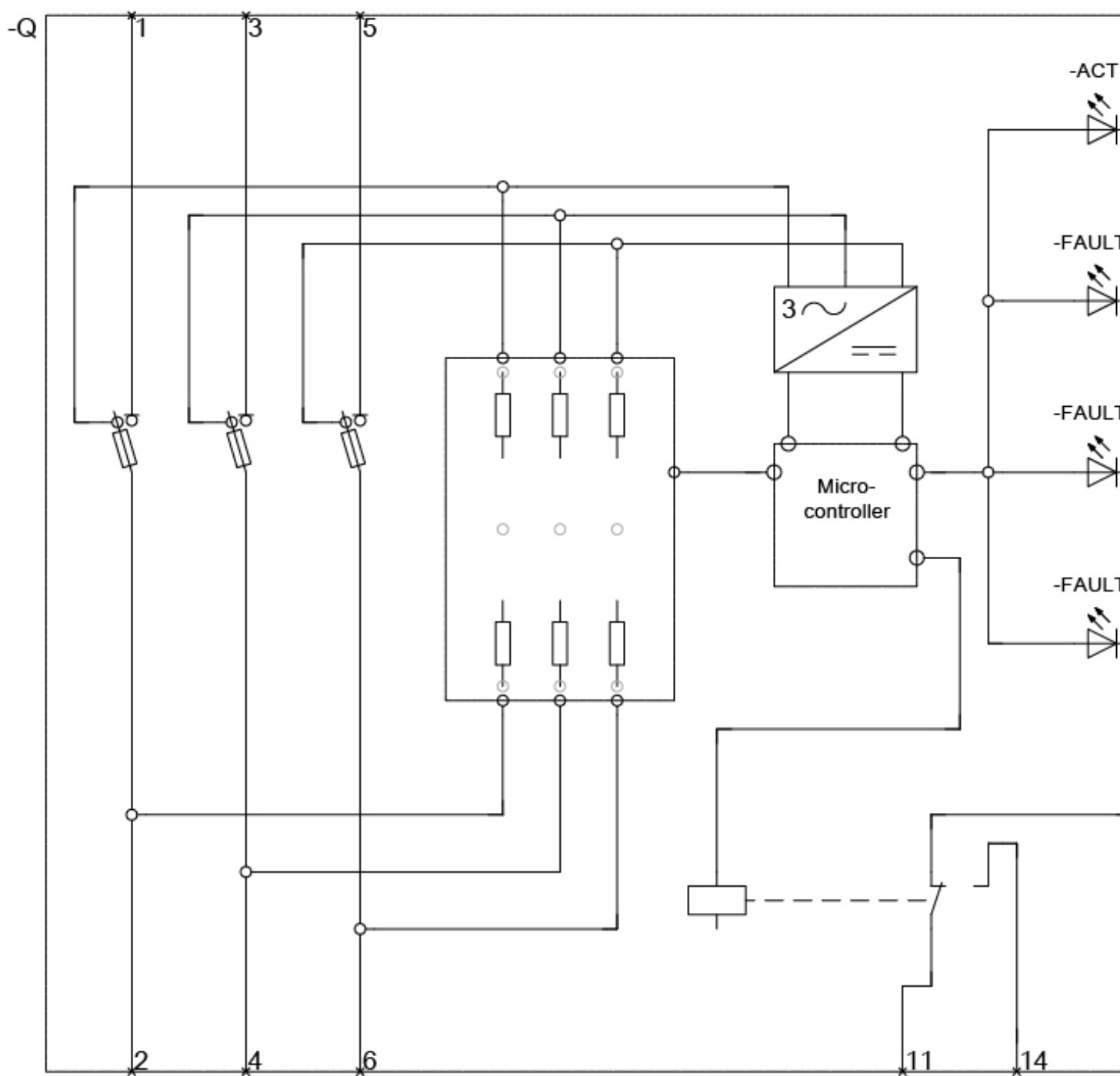
<b>Mounting type</b> <ul style="list-style-type: none"> <li>• rail mounting</li> <li>• front mounting</li> <li>• front mounting with central attachment</li> <li>• front mounting with 4-hole attachment</li> <li>• floor mounting</li> </ul>	floor mounting No No No No Yes
<b>mounting position</b>	waagerecht oder senkrecht
<b>Width</b>	mm 88.8
<b>Height</b>	mm 141.7
<b>Depth</b>	mm 118.2
<b>Net weight</b>	kg 0.59

#### Certificates/approvals:

General Product Approval					Declaration of Conformity
 CB	 CCC	 GOST	 UL	 UR	 EG-Konf.
Test Certificates		Shipping Approval			
<a href="#">Type Test Certificates/Test Report</a>		 DNV	 GL	 LRS	

#### Further information:





last change:

Mar 31, 2014