



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00, 160A 40MM BUSBAR SYSTEM COVERS FOR RITTAL FLAT CONNECTOR FUSE MONITORING ELECTRONIC, EFM 20

Similar to image

General technical details:

Number of poles		3
product brand name		SENTRON
Product designation		Fuse switch disconnector
Fuse system		LV HRC fuse
Installation size of fuse-link		NH000, NH00
Installation size of disconnecting link		00 and 000
Type from device		Zum Aufschnappen auf Sammelschienensystem Rittal 40 mm
Design of the product		3-pole
Busbar design		Sammelschienendicke 5 oder 10 mm
Design of the operating mechanism		handle unit
Type of the driving mechanism / motor drive		No
Design of the safety monitoring		elektronisch EFM20
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

<b>Product feature / sealable</b>		Yes
<b>Product component</b>		
• phase failure monitoring		Yes
• 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		Yes
<b>Product extension</b>		
• auxiliary switch		Yes
• optional		
• voltage trigger		No
• locking capability		Yes
• motor drive		No
<b>Continuous current</b>		
• rated value	A	160
• at 35 °C / rated value	A	160
• at 40 °C / rated value	A	155
• at 45 °C / rated value	A	145
• at 50 °C / rated value	A	140
• at 55 °C / rated value	A	133
<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	160
• at 690 V / rated value	A	125
• at AC-23 B		
• at 400 V / rated value	A	160
• at 500 V / rated value	A	63

<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	A	35
<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	15
<ul style="list-style-type: none"> <li>• with closed switch / maximum permissible</li> </ul>	kA	23
<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	12
<b>Insulation voltage / rated value</b>	V	690
<b>Impulse voltage resistance / rated value</b>	kV	8
<b>I<sup>2</sup>t value / with closed switch / maximum permissible</b>	kA <sup>2</sup> ·s	158
<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>		flat connector
<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>	2.5 ... 95
<ul style="list-style-type: none"> <li>• stranded</li> </ul>	mm <sup>2</sup>	2.5 ... 95
<b>Tightening torque</b>		
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	N·m	10 ... 12
<b>Arrangement of electrical connectors / for main current circuit</b>		sonstige

#### Degree of protection and safety class:

<b>Protection class IP</b>		
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• open	IP20
• on the front	IP40
• with closed switch	
• without cover or cable lug cover	IP30
• with cover or cable lug cover	IP40
<b>Degree of pollution</b>	3
<b>Mechanical operating cycles as operating time / typical</b>	2,000





### Ambient conditions:

<b>Ambient temperature</b>		
• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80

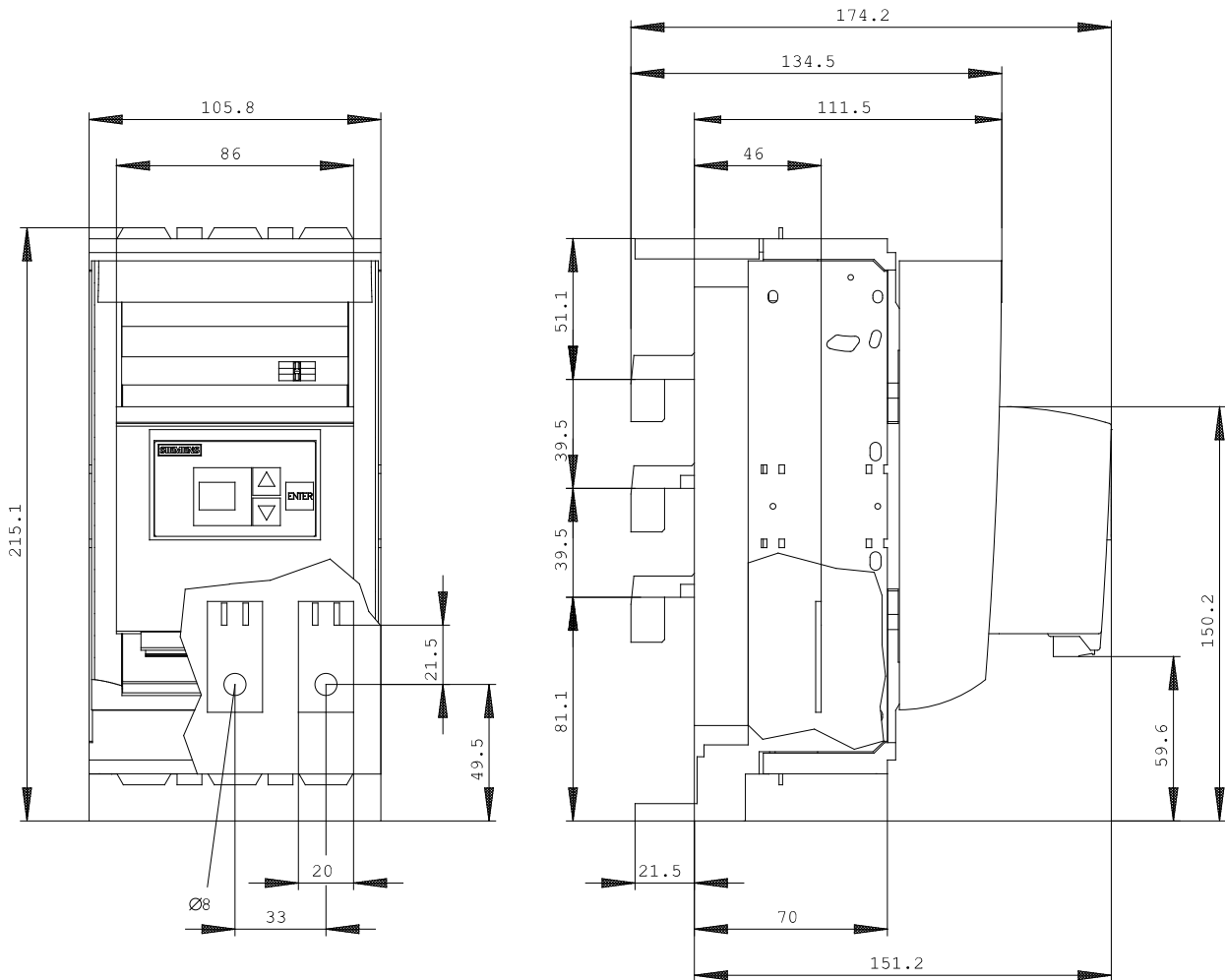
### Installation/mounting/dimensions:

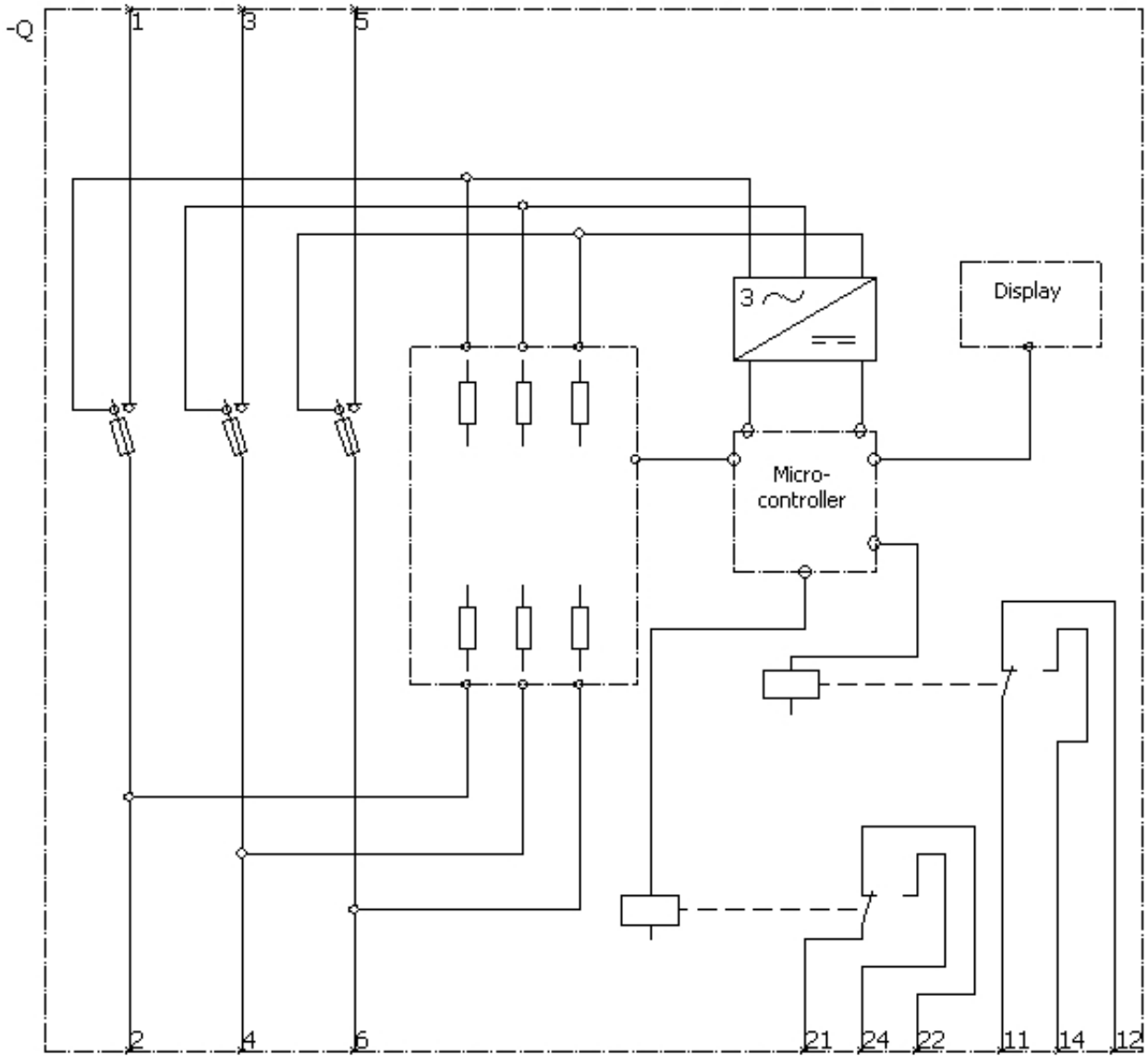
<b>Mounting type</b>		busbar mounting
• rail mounting		Yes
• front mounting		No
• front mounting with central attachment		No
• front mounting with 4-hole attachment		No
• floor mounting		No
<b>mounting position</b>		waagrecht oder senkrecht
<b>Width</b>	mm	105.8
<b>Height</b>	mm	215.1
<b>Depth</b>	mm	174.2
<b>Largeur</b>		
• du jeu de barres	mm	12 ... 15
<b>Center line spacing</b>	mm	40
<b>Net weight</b>	kg	1.12

### Certificates/approvals:

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

### Further information:





**last change:**

Jul 7, 2014