

Number of poles

3



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH000, 160A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM BOX TERMINAL FUSE MONITORING ELECTRONIC, EFM 20

Similar to image

### 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	Zum Aufschnappen auf Sammelschienensystem Siemens 8US 60 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	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
Degree of protection and safety class:		
IP degree of protection		
• open		IP20
• on the front		IP40
• with closed switch		
• without cover or cable lug cover		IP30
• with cover or cable lug cover		IP40
Degree of pollution		3
Mechanical operating cycles as operating time / typical		2,000
Ambient conditions:		
Ambient temperature		
• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80
Installation/mounting/dimensions:		
Mounting type		busbar mounting
• rail mounting		Yes
• front mounting		No
• front mounting with central attachment		No
• front mounting with 4-hole attachment		No
• floor mounting		No
mounting position		waagrecht oder senkrecht
Width	mm	88.8
Height	mm	211.4
Depth	mm	169
Largeur		
• du jeu de barres	mm	12 ... 30
Center line spacing	mm	60
Net weight	kg	0.94
Certificates/approvals:		

General Product Approval					Declaration of Conformity
--------------------------	--	--	--	--	---------------------------

**CB**

CB



CCC



GOST



UL



UR



EG-Konf.

Test Certificates	Shipping Approval				
-------------------	-------------------	--	--	--	--

[Type Test Certificates/Test Report](#)



DNV



GL



LRS

#### Further information:

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1123-1BC23>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3NP1123-1BC23/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

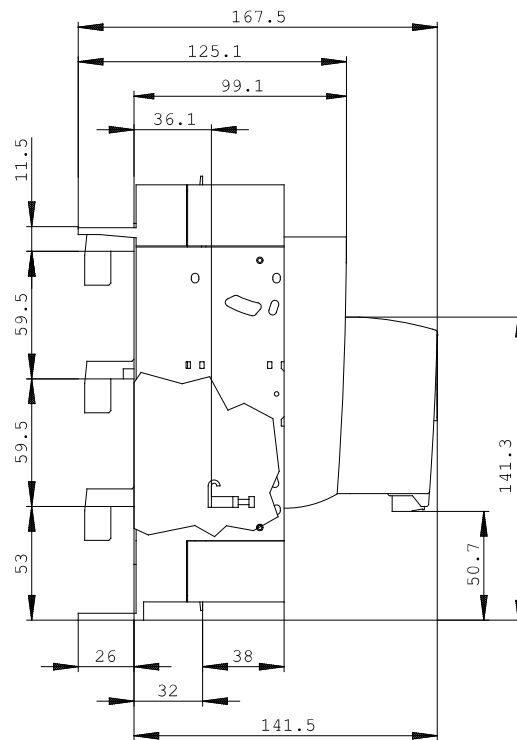
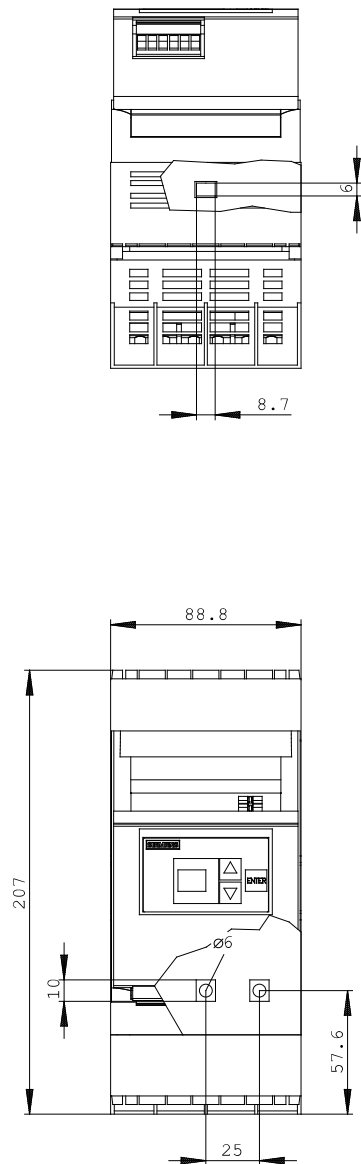
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP1123-1BC23](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1123-1BC23)

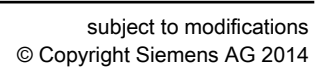
**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Mar 31, 2014