

Number of poles

3



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH2,  
400A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM  
BOX TERMINAL FUSE MONITORING ELECTRONIC,  
EFM 10

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	NH1. NH2
Installation size of disconnecting link	2 and 1
Type from device	Zum Aufschrauben 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 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









<b>Product feature / sealable</b>		Yes
<b>Product component</b>		
• 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	400
• at 35 °C / rated value	A	400
• at 40 °C / rated value	A	400
• at 45 °C / rated value	A	392
• at 50 °C / rated value	A	372
• at 55 °C / rated value	A	356
<b>Operating current</b>		
• at AC-21 B		
• at 400 V / rated value	A	400
• at 500 V / rated value	A	400
• at 690 V / rated value	A	400
• at AC-22 B		
• at 400 V / rated value	A	400
• at 500 V / rated value	A	400
• at 690 V / rated value	A	400
• at AC-23 B		

• at 400 V / rated value	A	400
• at 500 V / rated value	A	315
• at 690 V / rated value	A	125
• with capacitive load		
• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
<b>Let-through current</b>		
• with speedy activation / maximum permissible	kA	40
• with closed switch / maximum permissible	kA	40
<b>Conditional short-circuit current (I<sub>q</sub>)</b>		
• rated value	kA	80
• at 500 V / with AC / with speedy activation / rated value	kA	80
• at 690 V / with AC / with speedy activation / rated value	kA	50
• with closed switch		
• at 500 V / with AC / rated value	kA	100
• at 690 V / with AC / rated value	kA	100
<b>Tension d'emploi</b>		
• for AC / rated value	V	230 ... 690
<b>Power factor</b>		
• at AC-21 B		0.95
• at AC-22 B		0.65
• at AC-23 B		0.35
• with capacitive load		-0.25
<b>Active power loss / maximum</b>	W	34
<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	2,150
<b>Item designation</b>		
• according to DIN EN 61346-2		Q
• according to DIN EN 81346-2		Q

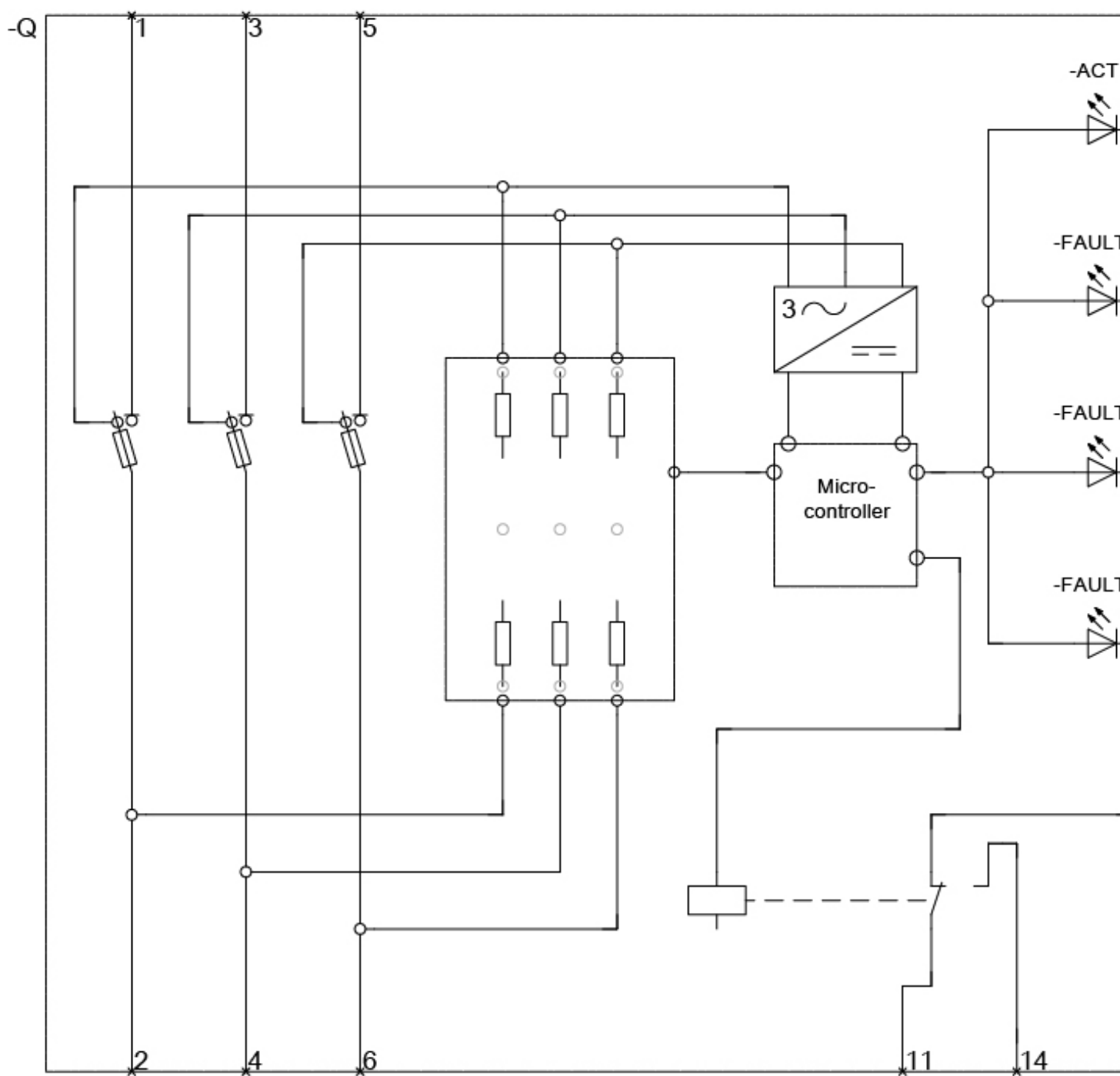
#### Connection elements and terminals:

<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>		
• single- or multi-stranded	mm <sup>2</sup>	120 ... 300
• stranded	mm <sup>2</sup>	120 ... 300
<b>Type of connectable conductor cross-sections / of laminated conductors</b>		
• maximum		10 x 32 mm
<b>Tightening torque</b>		

• with screw-type terminals	N·m	10 ... 25
<b>Arrangement of electrical connectors / for main current circuit</b>		sonstige
<b>Degree of protection and safety class:</b>		
<b>IP degree of protection</b>		
• 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>		1,000
<b>Ambient conditions:</b>		
<b>Ambient temperature</b>		
• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80
<b>Installation/mounting/dimensions:</b>		
<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	209.4
<b>Height</b>	mm	306
<b>Depth</b>	mm	187.6
<b>Largeur</b>		
• du jeu de barres	mm	12 ... 30
<b>Center line spacing</b>	mm	60
<b>Net weight</b>	kg	4.9
<b>Certificates/approvals:</b>		

General Product Approval				Declaration of Conformity	Test Certificates
					<a href="#">Type Test Certificates/Test Report</a>
CCC	GOST	UL	UR	EG-Konf.	
Shipping Approval					
					
DNV	GL	LRS			
Further information:					
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>					
<b>Industry Mall (Online ordering system)</b> <a href="https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1153-1BC22">https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1153-1BC22</a>					
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="http://support.automation.siemens.com/WW/view/en/3NP1153-1BC22/all">http://support.automation.siemens.com/WW/view/en/3NP1153-1BC22/all</a>					
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1153-1BC22">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1153-1BC22</a>					
<b>CAX-Online-Generator</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>					
<b>Tender specifications</b> <a href="#">Datanorm</a> <a href="#">GAEB81</a> <a href="#">GAEB83</a> <a href="#">RTF</a> <a href="#">TXT</a>					





last change:

Mar 31, 2014