

Number of poles

3



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH1,  
250A MOUNTING PLATE CONSTRUCTION COVER LEVEL  
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	NH0, NH1
Installation size of disconnecting link	1 and 0
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 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
Product feature / sealable	Yes
Product component	

• 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	250
• at 35 °C / rated value	A	250
• at 40 °C / rated value	A	245
• at 45 °C / rated value	A	240
• at 50 °C / rated value	A	233
• at 55 °C / rated value	A	233
<b>Operating current</b>		
• at AC-21 B		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-22 B		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	250
• at 690 V / rated value	A	250
• at AC-23 B		
• at 400 V / rated value	A	250
• at 500 V / rated value	A	200
• at 690 V / rated value	A	100
• 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	25
• with closed switch / maximum permissible	kA	32
<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	120
• 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		0.45
• with capacitive load		-0.25
<b>Active power loss / maximum</b>	W	23
<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	780
<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>	70 ... 185
• stranded	mm <sup>2</sup>	70 ... 185
<b>Type of connectable conductor cross-sections / of laminated conductors</b>		
• maximum		10 x 20 mm
<b>Tightening torque</b>		
• with screw-type terminals	N·m	10 ... 10
<b>Arrangement of electrical connectors / for main current circuit</b>		sonstige

#### Degree of protection and safety class:

<b>IP degree of protection</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>	1,600

#### Ambient conditions:

##### Ambient temperature

• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80

#### Installation/mounting/dimensions:

##### Mounting type

• rail mounting	floor mounting
• front mounting	No
• front mounting with central attachment	No
• front mounting with 4-hole attachment	No
• floor mounting	Yes

##### mounting position

waagerecht oder senkrecht

##### Width

mm 183.7

##### Height

mm 306

##### Depth

mm 146.3

##### Net weight

kg 2.33

#### Certificates/approvals:

##### General Product Approval

##### Declaration of Conformity

##### Test Certificates



CCC



GOST



UL



UR



EG-Konf.

[Type Test  
Certificates/Test  
Report](#)

##### Shipping Approval



DNV



GL



LRS

#### Further information:

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

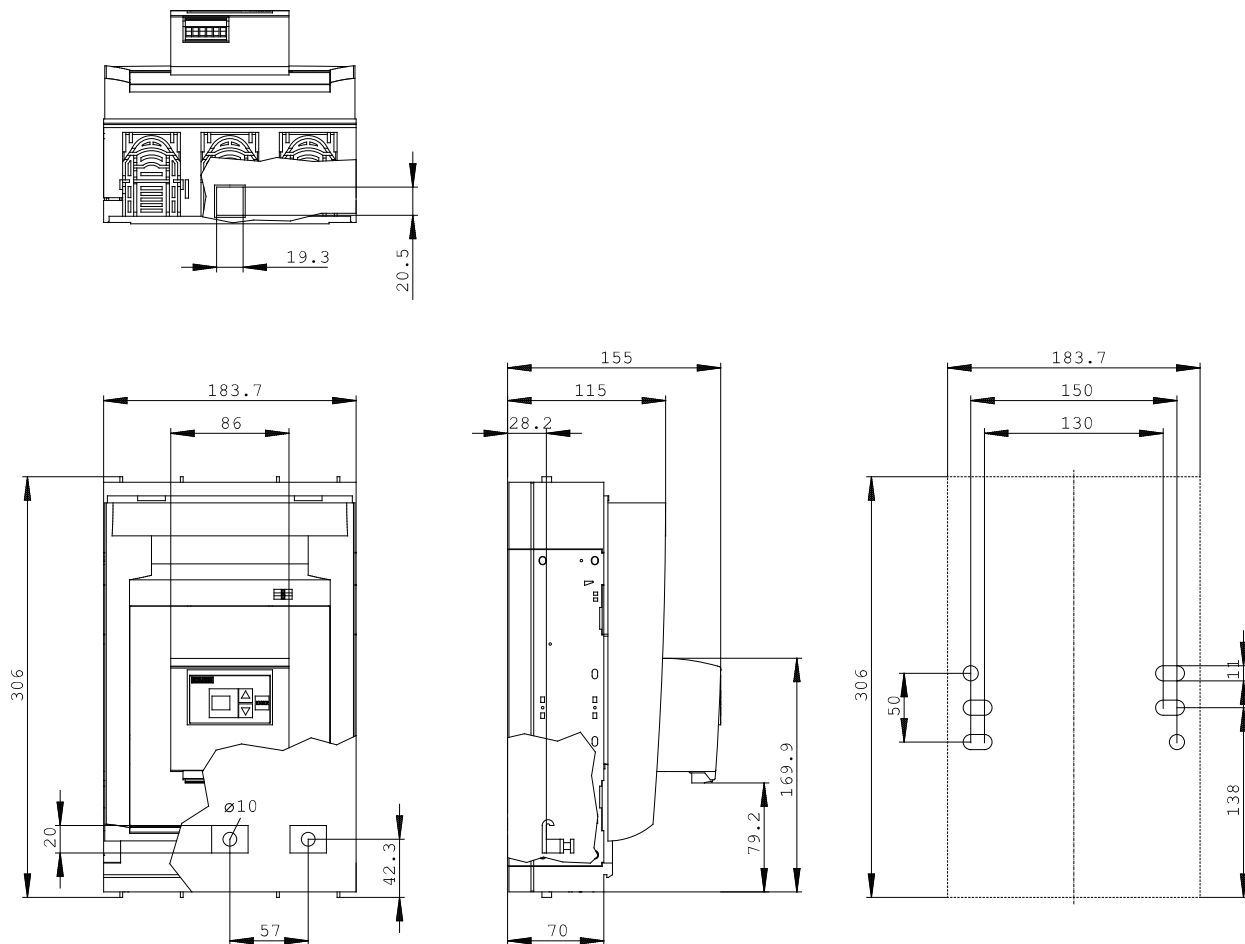
<http://www.siemens.com/lowvoltage/catalogs>

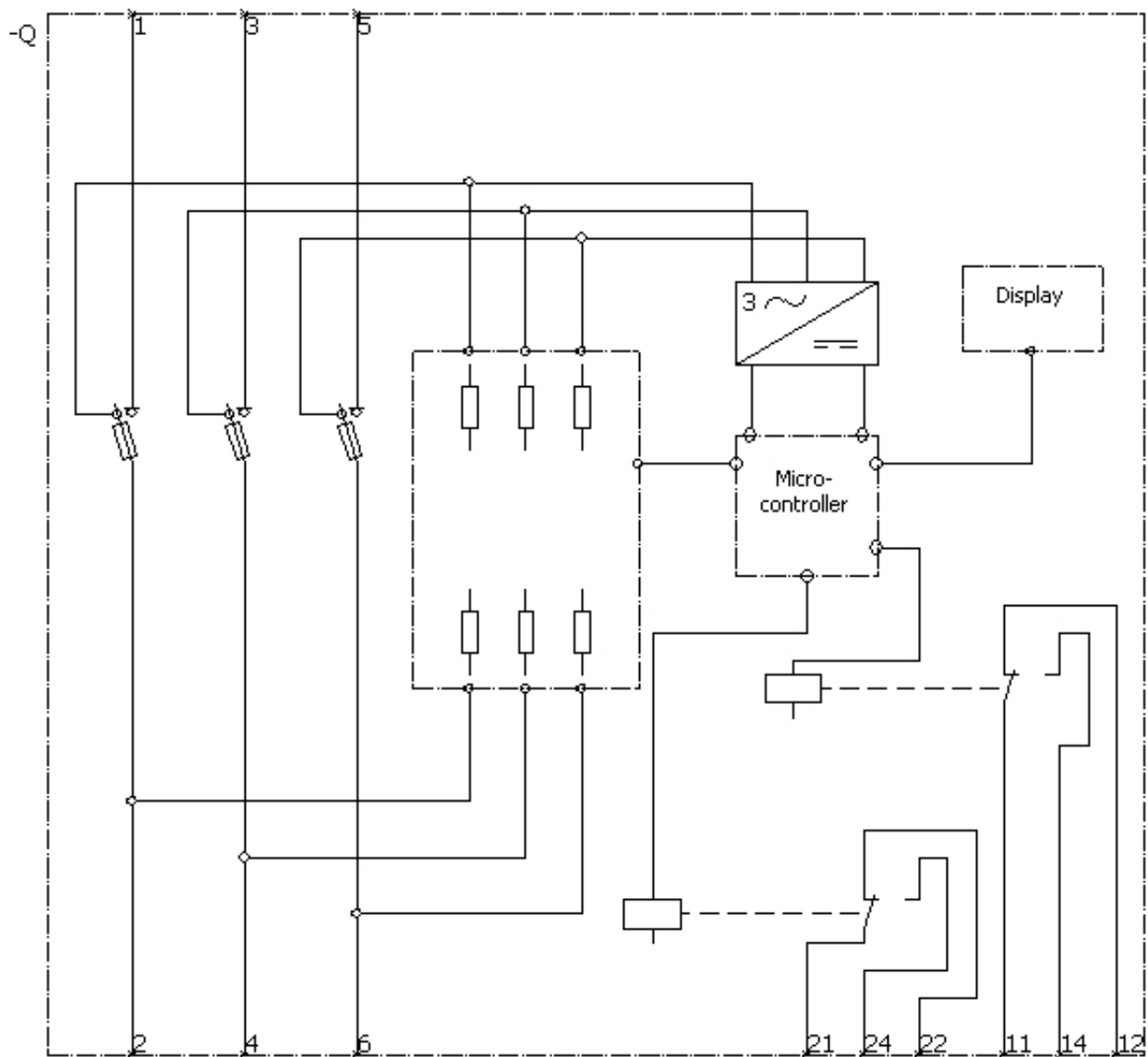
##### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1143-1DA23>

### Tender specifications

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





last change:

Mar 17, 2014