

Number of poles

3



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00,
160A MOUNTING PLATE CONSTRUCTION COVER LEVEL
45 MM FLAT CONNECTOR 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, NH00
Installation size of disconnecting link	00 and 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 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
Acceptability for application		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		Yes
• overvoltage protection monitoring		Yes
Product extension		
• auxiliary switch		Yes
• optional		
• voltage trigger		No
• locking capability		Yes
• motor drive		No
Continuous current		
• 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
Operating current		
• 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
• at 690 V / rated value	A	35
• with capacitive load		

• at 400 V / maximum	A	72
• at 500 V / maximum	A	55
Let-through current		
• with speedy activation / maximum permissible	kA	15
• with closed switch / maximum permissible	kA	23
Conditional short-circuit current (I_q)		
• 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	80
• with closed switch		
• at 500 V / with AC / rated value	kA	120
• at 690 V / with AC / rated value	kA	120
Tension d'emploi		
• for AC / rated value	V	230 ... 690
Power factor		
• at AC-21 B		0.95
• at AC-22 B		0.65
• at AC-23 B		0.45
• with capacitive load		-0.25
Active power loss / maximum	W	12
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I_{2t} value / with closed switch / maximum permissible	kA ² ·s	158
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN EN 81346-2		Q

Connection elements and terminals:

Design of the electrical connection / for main current circuit		flat connector
Conductor cross section that can be connected / for main contacts		
• single- or multi-stranded	mm ²	2.5 ... 95
• stranded	mm ²	2.5 ... 95
Tightening torque		
• with screw-type terminals	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
- during storage

°C	-25 ... +55
°C	-50 ... +80

Installation/mounting/dimensions:

Mounting type

- rail mounting
- front mounting
- front mounting with central attachment
- front mounting with 4-hole attachment
- floor mounting

floor mounting

No

No

No

No

Yes

mounting position

waagerecht oder senkrecht

Width

mm 105.8

Height

mm 202

Depth

mm 126.2

Net weight

kg 0.87

Certificates/approvals:

General Product Approval

Declaration of Conformity



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>

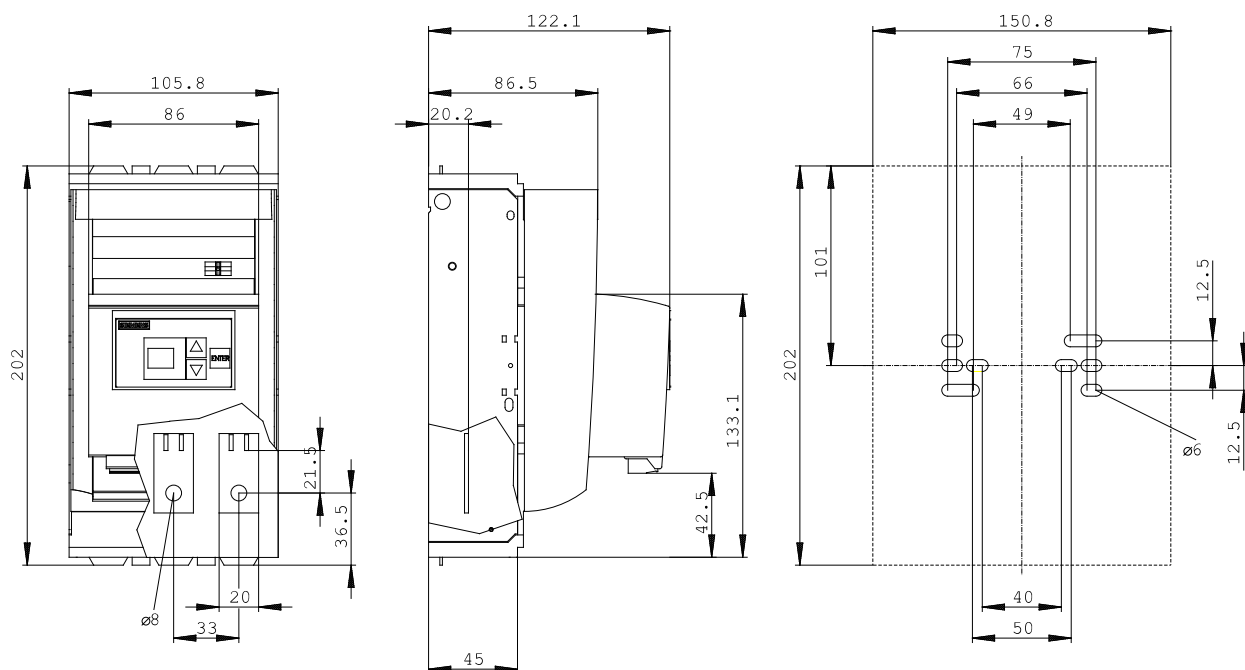
Industry Mall (Online ordering system)

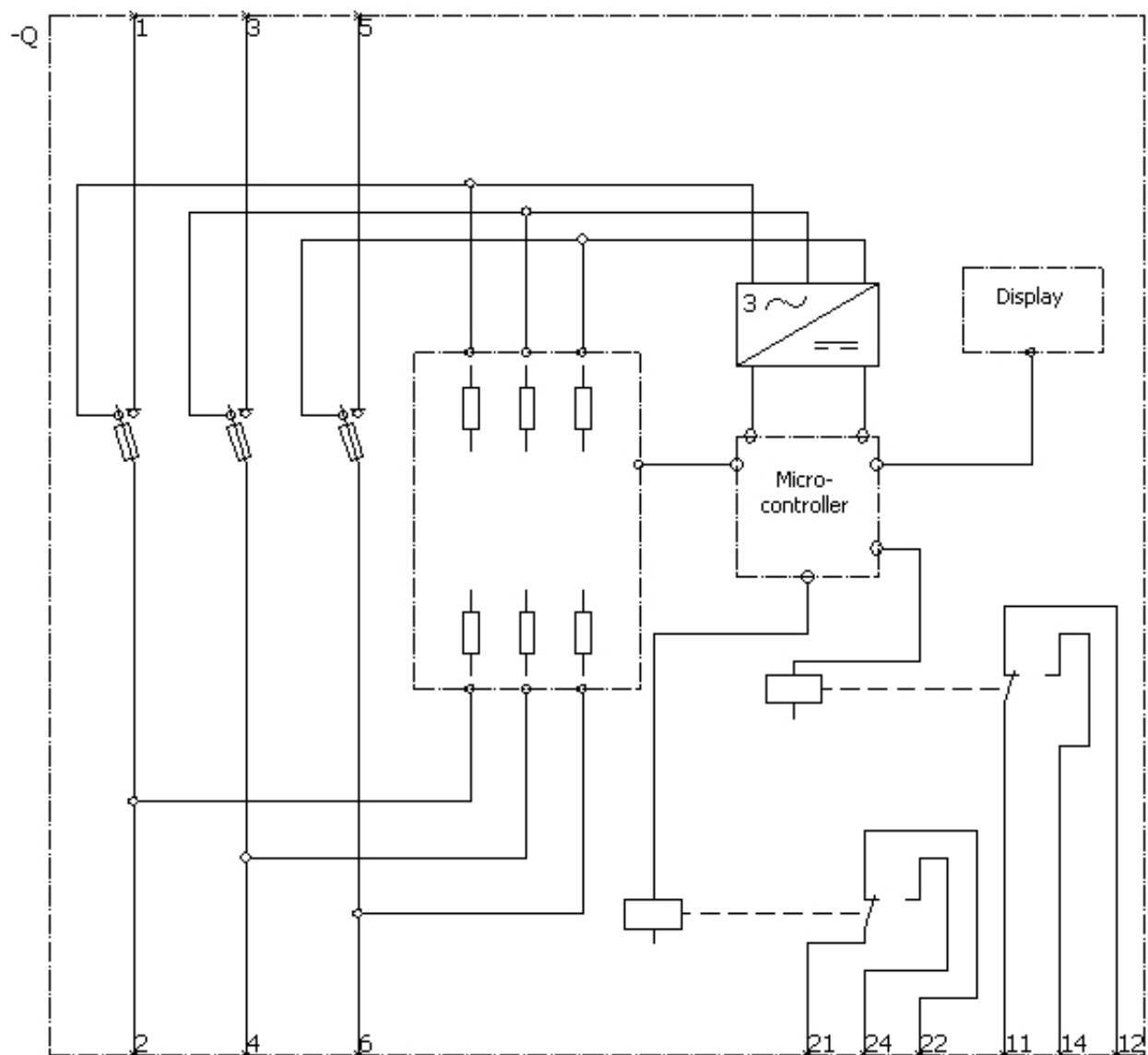
<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1133-1CA13>

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

<http://support.automation.siemens.com/WW/view/en/3NP1133-1CA13/all>

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





last change:

Mar 31, 2014