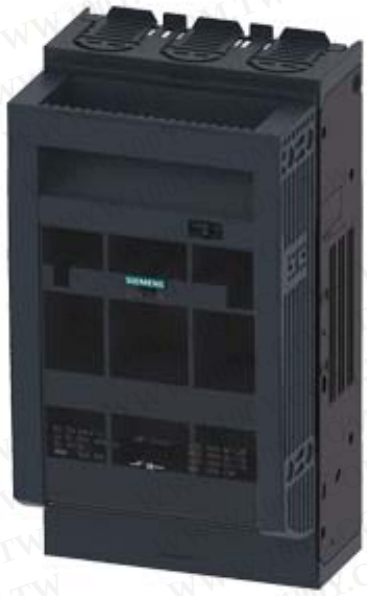
SIEMENS

Product data sheet 3NP1133-1CA10



Similar to image

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00, 160A MOUNTING PLATE CONSTRUCTION COVER LEVEL 45 MM FLAT CONNECTOR

General technical details:	
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	Auf- und Einbau
Design of the product	3-pole
Design of the operating mechanism	handle unit
Type of the driving mechanism / motor drive	No
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	No
• undervoltage release mechanism	No

• undervoltage release with leading contact		No
• trip indicator		No
Acceptability for application		
• switch disconnector		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		No
• overvoltage protection monitoring		No
Product extension		
• auxiliary switch		Yes
• optional		
• fuse monitoring		Yes
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• 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

• at DC-21 B		
• at 240 V / rated value / maximum	A	160
• at 440 V / rated value / maximum	A	160
• at DC-22 B		
• at 240 V / rated value / maximum	A	160
• at 440 V / rated value / maximum	A	125
• at DC-23 B		
• at 240 V / rated value / maximum	A	100
• at 440 V / rated value / maximum	A	63
• 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 (Iq)		
• 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	690
• for DC / rated value		
• maximum	V	440
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
I2t value / with closed switch / maximum permissible	$kA^2 \cdot s$	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		
• solid	mm²	2.5 … 95
• stranded	mm²	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:

Protection class IP		
• 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:

Type of mounting		floor mounting
• Rail installation		No
• front mounting		No
• front mounting with central fixation		No
• front mounting with 4-hole fixation		No
• floor mounting		Yes
mounting position		waagerecht oder senkrecht
Width	mm	105.8
Height	mm	202
Depth	mm	86.5
Net weight	kg	0.73

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/3NP1133-1CA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3NP1133-1CA10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1CA10

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT