SIEMENS

Data sheet

3NP1143-1DA10



SENTRON, Fuse switch disconnector 3NP1, 3-pole, NH1, 250 A, for assembly and installation on mounting plate, flat terminal, cover level 70 mm

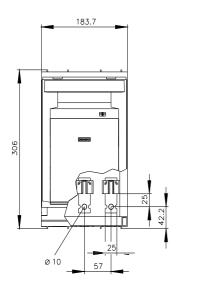
Model	
product designation	3NP1 fuse switch disconnector
design of the safety monitoring	Without
design of the load switch strip form	No
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
type of device	For assembly and installation on mounting plate
size of disconnecting link	1 and 0
size of fuse link	NH0, NH1
let-through current with closed switch maximum	32 kA
mechanical service life (operating cycles) typical	1 600
l2t value with closed switch maximum	780 kA2.s
power factor	
• at AC-22 B	0.65
• at AC-23 B	0.45
 with capacitive load 	-0.25
fuse system	LV HRC fuse
degree of pollution	3
Voltage	
insulation voltage	
 rated value 	690 V
 with degree of pollution 3 at AC rated value 	690 V
 with degree of pollution 2 at AC rated value 	1 000 V
power factor at AC-21 B	0.95
surge voltage resistance rated value	8 kV
operational current	
• at 35 °C rated value	250 A
• at 40 °C rated value	245 A
• at 45 °C rated value	240 A
• at 50 °C rated value	233 A
 at 55 °C rated value 	233 A
 at AC-21 B at 240 V rated value 	250 A
 at AC-21 B at 400 V rated value 	250 A
• at AC-21 B at 500 V rated value	250 A
• at AC-21 B at 690 V rated value	250 A
• at AC-22 B at 240 V rated value	250 A
• at AC-22 B at 400 V rated value	250 A
• at AC-22 B at 500 V rated value	250 A
• at AC-22 B at 690 V rated value	250 A

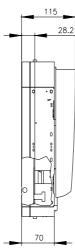
 at AC-23 B at 690 V rated value 	100 A			
 at AC-23 B at 500 V rated value 	200 A			
 at AC-23 B at 400 V rated value 	250 A			
 at AC-23 B at 240 V rated value 	250 A			
• at DC-21 B at 120 V rated value	250 A			
• at DC-21 B at 240 V rated value	250 A			
 at DC-21 B at 440 V rated value 	250 A			
 at DC-22 B at 120 V rated value 	250 A			
 at DC-22 B at 240 V rated value 	250 A			
• at DC-22 B at 440 V rated value	200 A			
at DC-23 B at 120 V rated value	200 A			
• at DC-23 B at 240 V rated value	200 A			
• at DC-23 B at 440 V rated value	100 A			
let-through current with high-speed activation maximum	25 kA			
permissible				
operating voltage				
 at AC rated value maximum 	690 V			
 at DC rated value 	440 V			
• at DC rated value maximum	440 V			
Protection class				
protection class IP				
 with closed switch with cover or cable lug cover 	IP40			
 with closed switch without cover or cable lug cover 	IP30			
• open	IP20			
Dissipation				
power loss [W]				
with conventional rated thermal current without fuse per	8 W			
 pole with conventional rated thermal current without fuse per device 	24 W			
 for rated value of the current at AC in hot operating state per pole 	31 W			
	23 W			
• of the fuse per fuse maximum	23 W			
• of the fuse per fuse maximum Main circuit	23 W			
of the fuse per fuse maximum Main circuit operational current				
of the fuse per fuse maximum Main circuit operational current orated value	250 A			
of the fuse per fuse maximum Main circuit operational current rated value with capacitive load at 400 V rated value	250 A 72 A			
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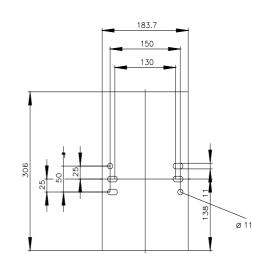
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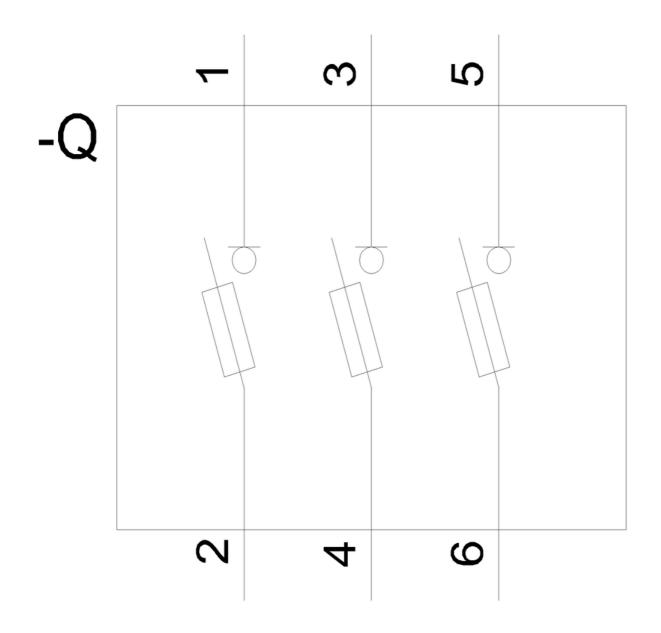
- Information on the packaging
- https://support.industry.siemens. <u> com/cs/ww/en/view/109813875</u>
- Information- and Downloadcenter (Catalogs, Brochures,...)
- http://www.siemens.com/lowvoltage/catalogs
- Industry Mall (Online ordering system)
- https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NP1143-1DA10
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
- https://support.industry.siemens.com/cs/ww/en/ps/3NP1143-1DA10
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1143-1DA10
- CAx-Online-Generator
- http://www.siemens.com/cax
- **Tender specifications**

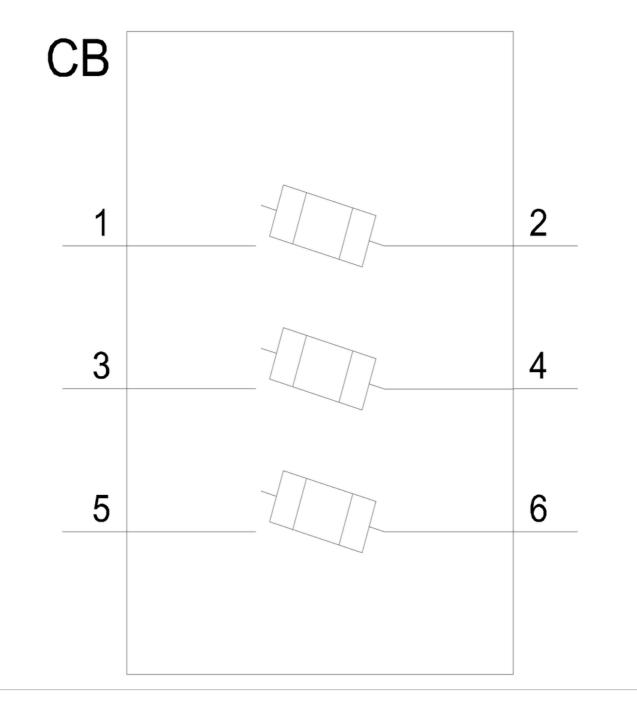
http://www.siemens.com/specifications











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