## SIEMENS

## Data sheet

## 3NP1123-1CA20



SENTRON, Fuse switch disconnector 3NP1, 3-pole, NH000, 160 A, for assembly and installation on Mounting plate, box terminal, Cover level 45  $\rm mm$ 

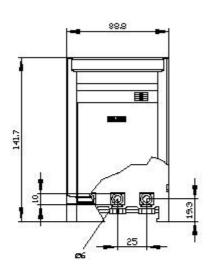
Model					
product brand name	SENTRON				
product designation	3NP1 fuse switch disconnector				
design of the product	cover level 45 mm				
design of the safety monitoring	Without				
design of the actuating element	Cover handle				
design of the load switch / strip form	No				
type of the driving mechanism / motor drive	No				
General technical data					
number of poles	3				
type of device	For assembly and installation on mounting plate				
size of disconnecting link	000				
size of fuse link	NH000				
let-through current / with closed switch / maximum permissible	15 kA				
mechanical service life (switching cycles) / typical	2 000				
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					
<ul> <li>rated value</li> </ul>	690 V				
<ul> <li>with degree of pollution 3 / at AC / rated value</li> </ul>	690 V				
<ul> <li>with degree of pollution 2 / at AC / rated value</li> </ul>	1 000 V				
power factor / at AC-21 B	0.95				
surge voltage resistance / rated value	8 kV				
operating voltage					
<ul> <li>at AC / rated value / maximum</li> </ul>	690 V				
<ul> <li>at DC / rated value</li> </ul>	440 V				
<ul> <li>at DC / rated value / maximum</li> </ul>	440 V				
Protection class					
protection class IP					
<ul> <li>with closed switch / with cover or cable lug cover</li> </ul>	IP40				
<ul> <li>with closed switch / without cover or cable lug cover</li> </ul>	IP30				
• on the front	IP40				

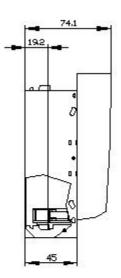
Dissipation     For the set of the conventional rated thermal current / without fuse / per pole     5 W       • with conventional rated thermal current / without fuse / per device     15 W       • for rated value of the current / at AC / in hot operating state / per pole     14 W       • of the fuse / per device     14 W       operating state / per pole     9 W       Current     • at 35 °C / rated value     150 A       • at 36 °C / rated value     130 A     • at 35 °C / rated value       • at 35 °C / rated value     120 A     • at 35 °C / rated value       • at AC - 23 B / at 600 V / rated value     160 A     • at AC - 23 B / at 600 V / rated value       • at AC - 23 B / at 600 V / rated value     160 A     • at AC - 23 B / at 600 V / rated value       • at AC - 23 B / at 600 V / rated value     160 A     • at AC - 23 B / at 600 V / rated value       • at AC - 23 B / at 600 V / rated value     160 A     • at AC - 23 B / at 600 V / rated value       • at AC - 23 B / at 600 V / rated value     160 A     • at AC - 22 B / at 600 V / rated value       • at AC - 22 B / rate 00 V / rated value     160 A     • at AC - 22 B / rate 00 V / rated value       • at AC - 22 B / rate 00 V / rated value     160 A     • at AC - 22 B / rate 00 V / rated value       • at AC - 22 B / rate 00 V / rated value     160 A     • at AC - 22 B / rate 00 V / rated value       • at AC - 22 B / rate 00 V / rated value     16	• open	IP20
power loss [M]     • with conventional rated thermal current / without fuse / per pole     5 W       • with conventional rated thermal current / without fuse / per device     15 W       • for rated value of the current / at AC / in hot operating state / per pole     14 W       • of the fuse / per fuse / maximum     9 W       Current     9 W       corrent     160 A       • at 45 °C / rated value     160 A       • at 45 °C / rated value     140 A       • at 50 °C / rated value     140 A       • at 50 °C / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 23 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 22 B / at 900 V / rated value     160 A       • at AC 21 B / at 900 V / rated value     160 A <td></td> <td></td>		
• with conventional rated thermal current / without     5 W       fuse / per pole     • with conventional rated thermal current / without     15 W       • for rated value of the current / at AC / in hot     14 W       operating state / per pole     9 W       current     • of the fuse / per fuse / maximum     9 W       operational current     • 160 A     • 14 W       • at 35 °C / rated value     160 A     • • • • • • • • • • • • • • • • • • •		
• with original rated thermal current / without fuse / per device     15 W       • or the fuse / per tase / maximum     9 W       Current       • of the fuse / per tase / maximum     9 W       Current       • eith of the current / at AC / in hot operating state / per pole     9 W       Current       • eith of C/ rated value     160 A       • eith of C/ rated value     160 A       • eith of C/ rated value     100 A       • eith of C/ rated value     100 A       • eith of C/ rated value     100 A       • eith AC / rated value     100 A       • eith AC / ared value     160 A       • eith AC / ared value     100 A       • eith AC / ared value     160 A       • eith AC / ared valu	with conventional rated thermal current / without	5 W
• of the fuse / per fuse / maximum         9 W           Current         • of the fuse / per fuse / maximum         9 W           • et al 50 °C / rated value         160 A         • of the fuse / per fuse / maximum           • et al 50 °C / rated value         150 A         • of the fuse / per fuse / maximum           • et al 50 °C / rated value         130 A         • of the fuse / per fuse / maximum           • et al 50 °C / rated value         120 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 500 V / rated value         160 A         • of the fuse / per fuse / maximum           • et al C-23 B / at 240 V / rated value         160 A         • of the fuse / per fuse / maximum           • of DC-23 B / at 120 V / rated value	with conventional rated thermal current / without	15 W
• of the fuse / per fuse / maximum         9 W           Current	<ul> <li>for rated value of the current / at AC / in hot</li> </ul>	14 W
operational current         160 A           et at 35 °C / rated value         160 A           et at 40 °C / rated value         150 A           et at 5° °C / rated value         140 A           et at 5° °C / rated value         130 A           et at 5° °C / rated value         120 A           et at 5° °C / rated value         120 A           et AC / rated value         160 A           et AC / rated value         160 A           et AC / rated value         160 A           et AC -23 B / at 400 V / rated value         160 A           et AC-23 B / at 400 V / rated value         160 A           et AC-23 B / at 400 V / rated value         160 A           et AC-23 B / at 400 V / rated value         160 A           et AC-23 B / at 400 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160 A           et AC-21 B / at 240 V / rated value         160 A           et AC-21 B / at 240 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160 A           et AC-23 B / at 240 V / rated value         160		9 W
• at 35 °C / rated value       160 A         • at 45 °C / rated value       140 A         • at 55 °C / rated value       140 A         • at 55 °C / rated value       120 A         • at AC / rated value       160 A         • at AC / 23 B / at 600 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 22 B / at 600 V / rated value       160 A         • at AC / 22 B / at 400 V / rated value       160 A         • at AC / 22 B / at 20 V / rated value       160 A         • at AC / 22 B / at 600 V / rated value       160 A         • at AC / 21 B / at 600 V / rated value       160 A         • at AC / 22 B / at 400 V / rated value       160 A         • at AC / 21 B / at 600 V / rated value       160 A         • at AC / 21 B / at 400 V / rated value       160 A         • at AC / 21 B / at 20 V / rated value       160 A	Current	
• at 35 °C / rated value       160 A         • at 45 °C / rated value       140 A         • at 55 °C / rated value       140 A         • at 55 °C / rated value       120 A         • at AC / rated value       160 A         • at AC / 23 B / at 600 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 23 B / at 400 V / rated value       160 A         • at AC / 22 B / at 600 V / rated value       160 A         • at AC / 22 B / at 400 V / rated value       160 A         • at AC / 22 B / at 20 V / rated value       160 A         • at AC / 22 B / at 600 V / rated value       160 A         • at AC / 21 B / at 600 V / rated value       160 A         • at AC / 22 B / at 400 V / rated value       160 A         • at AC / 21 B / at 600 V / rated value       160 A         • at AC / 21 B / at 400 V / rated value       160 A         • at AC / 21 B / at 20 V / rated value       160 A		
• at 45 °C / rated value140 A• at 50 °C / rated value130 A• at 55 °C / rated value120 A• at AC / rated value160 A• at AC-23 B / at 690 V / rated value25 A• at AC-23 B / at 0V / rated value160 A• at AC-23 B / at 0V / rated value160 A• at AC-23 B / at 0V / rated value160 A• at AC-23 B / at 0V / rated value160 A• at AC-23 B / at 0V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-21 B / at 000 V / rated value160 A• at AC-21 B / at 000 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-23 B / at 240 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-23 B / at 240 V / rated value160 A• at DC-23 B / at 240 V / rated value100 A• at DC-23 B / at 240 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• with capacitive load / at 400		160 A
• at 50 °C / rated value130 A• at 55 °C / rated value120 A• at AC / rated value160 A• at AC / rated value25 A• at AC / 23 B / at 500 V / rated value40 A• at AC / 23 B / at 500 V / rated value160 A• at AC / 23 B / at 400 V / rated value160 A• at AC / 23 B / at 400 V / rated value160 A• at AC / 23 B / at 240 V / rated value160 A• at AC / 22 B / at 500 V / rated value160 A• at AC / 22 B / at 500 V / rated value160 A• at AC / 22 B / at 500 V / rated value160 A• at AC / 22 B / at 600 V / rated value160 A• at AC / 21 B / at 600 V / rated value160 A• at AC / 21 B / at 500 V / rated value160 A• at AC / 21 B / at 500 V / rated value160 A• at AC / 21 B / at 400 V / rated value160 A• at AC / 21 B / at 400 V / rated value160 A• at AC / 21 B / at 240 V / rated value160 A• at AC / 21 B / at 240 V / rated value160 A• at DC / 23 B / at 240 V / rated value100 A• at DC / 23 B / at 240 V / rated value100 A• at DC / 23 B / at 240 V / rated value100 A• at DC / 23 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value100 A• at DC / 21 B / at 240 V / rated value	• at 40 °C / rated value	150 A
• at 35 °C / rated value120 A• at AC / rated value160 A• at AC-23 B / at 690 V / rated value25 A• at AC-23 B / at 600 V / rated value40 A• at AC-23 B / at 400 V / rated value160 A• at AC-23 B / at 500 V / rated value160 A• at AC-23 B / at 690 V / rated value160 A• at AC-23 B / at 690 V / rated value160 A• at AC-22 B / at 690 V / rated value125 A• at AC-22 B / at 690 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 200 V / rated value160 A• at AC-21 B / at 200 V / rated value160 A• at DC-23 B / at 440 V / rated value80 A• at DC-23 B / at 440 V / rated value80 A• at DC-23 B / at 440 V / rated value50 A• at DC-22 B / at 240 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A <td< td=""><td>• at 45 °C / rated value</td><td>140 A</td></td<>	• at 45 °C / rated value	140 A
• at AC / rated value       160 A         • at AC-23 B / at 500 V/ rated value       25 A         • at AC-23 B / at 00 V/ rated value       160 A         • at AC-23 B / at 00 V/ rated value       160 A         • at AC-23 B / at 00 V/ rated value       160 A         • at AC-23 B / at 00 V/ rated value       160 A         • at AC-22 B / at 600 V/ rated value       50 A         • at AC-22 B / at 00 V/ rated value       160 A         • at AC-22 B / at 00 V/ rated value       160 A         • at AC-22 B / at 00 V/ rated value       160 A         • at AC-22 B / at 00 V/ rated value       160 A         • at AC-21 B / at 00 V/ rated value       160 A         • at AC-21 B / at 400 V/ rated value       160 A         • at AC-21 B / at 400 V/ rated value       160 A         • at AC-21 B / at 400 V/ rated value       160 A         • at AC-21 B / at 400 V/ rated value       160 A         • at DC-32 B / at 400 V/ rated value       25 A         • at DC-23 B / at 20 V/ rated value       80 A         • at DC-23 B / at 20 V/ rated value       50 A         • at DC-22 B / at 240 V/ rated value       100 A         • at DC-21 B / at 400 V/ rated value       100 A         • at DC-21 B / at 240 V/ rated value       160 A         • at DC-21 B / at 240		130 A
• at AC-23 B / at 690 V / rated value25 A• at AC-23 B / at 400 V / rated value40 A• at AC-23 B / at 400 V / rated value160 A• at AC-23 B / at 400 V / rated value160 A• at AC-22 B / at 690 V / rated value50 A• at AC-22 B / at 600 V / rated value125 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at DC-23 B / at 400 V / rated value25 A• at DC-23 B / at 400 V / rated value80 A• at DC-23 B / at 400 V / rated value80 A• at DC-23 B / at 400 V / rated value80 A• at DC-23 B / at 400 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 20 V / rated value160 A• at DC-21 B / at 20 V / rated value160 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• at DC-21 B / at 20 V / rated value100 A• with capacitive load / at 400 V / rated v	• at 55 °C / rated value	120 A
• at AC-23 B / at 500 V / rated value40 A• at AC-23 B / at 400 V / rated value160 A• at AC-23 B / at 240 V / rated value160 A• at AC-22 B / at 600 V / rated value50 A• at AC-22 B / at 500 V / rated value125 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 400 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at DC-23 B / at 400 V / rated value160 A• at DC-23 B / at 400 V / rated value80 A• at DC-23 B / at 400 V / rated value80 A• at DC-22 B / at 400 V / rated value80 A• at DC-22 B / at 400 V / rated value100 A• at DC-22 B / at 400 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 400 V / rated value160 A• at DC-21 B / at 400 V / rated value100 A• at DC-21 B / at 400 V / rated value100 A• at DC-21 B / at 400 V / rated value100 A• at DC-21 B / at 400 V / rated value100 A• at DC-21 B / at 400 V / rated value100 A• with capacitive load / at 400 V	<ul> <li>at AC / rated value</li> </ul>	160 A
• at AC-23 B / at 400 V / rated value       160 A         • at AC-23 B / at 240 V / rated value       160 A         • at AC-22 B / at 690 V / rated value       50 A         • at AC-22 B / at 000 V / rated value       125 A         • at AC-22 B / at 000 V / rated value       160 A         • at AC-22 B / at 240 V / rated value       160 A         • at AC-22 B / at 240 V / rated value       160 A         • at AC-21 B / at 500 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at AC-23 B / at 240 V / rated value       160 A         • at DC-23 B / at 440 V / rated value       160 A         • at DC-23 B / at 240 V / rated value       80 A         • at DC-23 B / at 240 V / rated value       80 A         • at DC-23 B / at 240 V / rated value       100 A         • at DC-22 B / at 240 V / rated value       100 A         • at DC-22 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A		25 A
• at AC-23 B / at 240 V / rated value160 A• at AC-22 B / at 500 V / rated value50 A• at AC-22 B / at 500 V / rated value125 A• at AC-22 B / at 400 V / rated value160 A• at AC-22 B / at 240 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at DC-23 B / at 440 V / rated value25 A• at DC-23 B / at 440 V / rated value80 A• at DC-23 B / at 440 V / rated value80 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• with capacitive load / at 400 V / rated value100 A• with capacitive load		
• at AC-23 B / at 240 V / rated value160 A• at AC-22 B / at 690 V / rated value50 A• at AC-22 B / at 500 V / rated value125 A• at AC-22 B / at 240 V / rated value160 A• at AC-21 B / at 240 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at C-23 B / at 440 V / rated value25 A• at DC-23 B / at 240 V / rated value80 A• at DC-23 B / at 240 V / rated value80 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 20 V / rated value10 A• at DC-21 B / at 20 V / rated value55 AAutiliary circuit	• at AC-23 B / at 400 V / rated value	
• at AC-22 B / at 690 V / rated value50 A• at AC-22 B / at 500 V / rated value125 A• at AC-22 B / at 400 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 690 V / rated value160 A• at AC-21 B / at 500 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-21 B / at 400 V / rated value160 A• at AC-23 B / at 440 V / rated value25 A• at DC-23 B / at 440 V / rated value80 A• at DC-23 B / at 240 V / rated value80 A• at DC-23 B / at 240 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• with capacitive load / at 400 V / rated value72 A• with capacitive load / at 500 V / rated value55 AAuxiliary circuit55 A		
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et AC-22 B / at 240 V / rated value       160 A         et AC-21 B / at 690 V / rated value       160 A         et AC-21 B / at 500 V / rated value       160 A         et AC-21 B / at 400 V / rated value       160 A         et AC-21 B / at 240 V / rated value       160 A         et AC-21 B / at 240 V / rated value       160 A         et AC-21 B / at 240 V / rated value       160 A         et DC-23 B / at 240 V / rated value       25 A         et DC-23 B / at 240 V / rated value       80 A         et DC-22 B / at 240 V / rated value       80 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-21 B / at 240 V / rated value       100 A         et DC-21 B / at 120 V / rated value       160 A         et C-21 B / at 120 V / rated value       100 A         et C-21 B / at 120 V / rated value       100 A         et current / with high-speed activation / maximum       10 kA         permissible       100 A         with capacitive load / at 400 V / rated value       55 A         Auxiliary circuit </td <td></td> <td></td>		
et AC-21 B / at 690 V / rated value       160 A         et AC-21 B / at 500 V / rated value       160 A         et AC-21 B / at 400 V / rated value       160 A         et AC-21 B / at 240 V / rated value       160 A         et AC-21 B / at 240 V / rated value       160 A         et DC-23 B / at 240 V / rated value       25 A         et DC-23 B / at 240 V / rated value       80 A         et DC-22 B / at 240 V / rated value       80 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-22 B / at 240 V / rated value       100 A         et DC-21 B / at 240 V / rated value       100 A         et DC-21 B / at 240 V / rated value       100 A         et DC-21 B / at 240 V / rated value       100 A         et DC-21 B / at 240 V / rated value       100 A         et C-21 B / at 240 V / rated value       100 A         et tDC-21 B / at 240 V / rated value       100 A         et tDC-21 B / at 240 V / rated value       100 A         et tDc-21 B / at 200 V / rated value       10 kA         Ide-through current       100 A         ewith capacitive load / at 400 V / rated value       72 A         ewith capacitive loa		
• at AC-21 B / at 500 V / rated value       160 A         • at AC-21 B / at 400 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at DC-23 B / at 440 V / rated value       25 A         • at DC-23 B / at 240 V / rated value       80 A         • at DC-23 B / at 240 V / rated value       80 A         • at DC-23 B / at 120 V / rated value       80 A         • at DC-22 B / at 440 V / rated value       50 A         • at DC-22 B / at 440 V / rated value       100 A         • at DC-22 B / at 440 V / rated value       100 A         • at DC-22 B / at 440 V / rated value       100 A         • at DC-21 B / at 440 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 120 V / rated value       160 A         • at DC-21 B / at 120 V / rated value       160 A         • at DC-21 B / at 120 V / rated value       160 A         Iet-through current / with high-speed activation / maximum permissible       10 kA         Main circuit       operational current       100 A         • with capacitive load / at 400 V / rated value       72 A         • with capacitive load / at 500 V / rated value       55 A         Auxiliary circuit       400 V / rated value       55 A		
• at AC-21 B / at 400 V / rated value       160 A         • at AC-21 B / at 240 V / rated value       160 A         • at DC-23 B / at 440 V / rated value       25 A         • at DC-23 B / at 240 V / rated value       80 A         • at DC-23 B / at 120 V / rated value       80 A         • at DC-22 B / at 120 V / rated value       50 A         • at DC-22 B / at 240 V / rated value       100 A         • at DC-22 B / at 240 V / rated value       100 A         • at DC-22 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       100 A         • at DC-21 B / at 240 V / rated value       160 A         • at DC-21 B / at 120 V / rated value       160 A         • at DC-21 B / at 120 V / rated value       100 A         • at DC-21 B / at 120 V / rated value       100 A         • at DC-21 B / at 120 V / rated value       100 A         • with capacitive load / at 400 V / rated value       72 A         • with capacitive load / at 500 V / rated value       55 A         Auxiliary circuit       55 A		
<ul> <li>at AC-21 B / at 240 V / rated value</li> <li>at DC-23 B / at 440 V / rated value</li> <li>at DC-23 B / at 240 V / rated value</li> <li>80 A</li> <li>at DC-23 B / at 120 V / rated value</li> <li>80 A</li> <li>at DC-22 B / at 440 V / rated value</li> <li>50 A</li> <li>at DC-22 B / at 240 V / rated value</li> <li>100 A</li> <li>at DC-22 B / at 120 V / rated value</li> <li>100 A</li> <li>at DC-21 B / at 240 V / rated value</li> <li>100 A</li> <li>at DC-21 B / at 240 V / rated value</li> <li>100 A</li> <li>at DC-21 B / at 240 V / rated value</li> <li>100 A</li> <li>at DC-21 B / at 240 V / rated value</li> <li>160 A</li> <li>at DC-21 B / at 120 V / rated value</li> <li>160 A</li> <li>at DC-21 B / at 120 V / rated value</li> <li>160 A</li> <li>at DC-21 B / at 120 V / rated value</li> <li>100 A</li> <li>with capacitive load / at 400 V / rated value</li> <li>72 A</li> <li>with capacitive load / at 500 V / rated value</li> <li>55 A</li> </ul>		
• at DC-23 B / at 440 V / rated value25 A• at DC-23 B / at 240 V / rated value80 A• at DC-23 B / at 120 V / rated value80 A• at DC-22 B / at 440 V / rated value50 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 240 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value120 A• with capacitive load / at 400 V / rated value55 AAuxiliary circuit55 A		
• at DC-23 B / at 240 V / rated value80 A• at DC-23 B / at 120 V / rated value80 A• at DC-22 B / at 440 V / rated value50 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value55 AMain circuit100 A• with capacitive load / at 400 V / rated value55 AAuxiliary circuit55 A		
• at DC-23 B / at 120 V / rated value80 A• at DC-22 B / at 440 V / rated value50 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 40 V / rated value100 A• at DC-21 B / at 240 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value100 A• with capacitive load / at 400 V / rated value55 AAuxiliary circuit55 A		
• at DC-22 B / at 440 V / rated value50 A• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• at DC-21 B / at 120 V / rated value100 A• with capacitive load / at 400 V / rated value72 A• with capacitive load / at 500 V / rated value55 AAuxiliary circuit55 A		
• at DC-22 B / at 240 V / rated value100 A• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 A• at DC-21 B / at 120 V / rated value160 AIet-through current / with high-speed activation / maximum permissible10 kAoperational current100 A• rated value100 A• with capacitive load / at 400 V / rated value72 A• with capacitive load / at 500 V / rated value55 AAuxiliary circuit		
• at DC-22 B / at 120 V / rated value100 A• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 Alet-through current / with high-speed activation / maximum permissible10 kAMain circuit10 kAoperational current • rated value100 Ae vith capacitive load / at 400 V / rated value72 A• with capacitive load / at 500 V / rated value55 AAuxiliary circuit100 A		
• at DC-21 B / at 440 V / rated value100 A• at DC-21 B / at 240 V / rated value160 A• at DC-21 B / at 120 V / rated value160 Alet-through current / with high-speed activation / maximum permissible10 kAMain circuit0operational current • rated value100 A• rated value100 A• with capacitive load / at 400 V / rated value72 A• with capacitive load / at 500 V / rated value55 AAuxiliary circuit		
<ul> <li>at DC-21 B / at 240 V / rated value</li> <li>at DC-21 B / at 120 V / rated value</li> <li>160 A</li> <li>160 A</li> <li>10 kA</li> <li>10 kA</li> <li>Main circuit</li> <li>operational current</li> <li>rated value</li> <li>with capacitive load / at 400 V / rated value</li> <li>Y rated value</li> <li>with capacitive load / at 500 V / rated value</li> <li>55 A</li> </ul>		
• at DC-21 B / at 120 V / rated value       160 A         let-through current / with high-speed activation / maximum permissible       10 kA         Main circuit       0         operational current       100 A         • rated value       100 A         • with capacitive load / at 400 V / rated value       72 A         • with capacitive load / at 500 V / rated value       55 A		
let-through current / with high-speed activation / maximum permissible       10 kA         Main circuit       operational current         • rated value       100 A         • with capacitive load / at 400 V / rated value       72 A         • with capacitive load / at 500 V / rated value       55 A         Auxiliary circuit       100 A		
operational current     100 A       • rated value     100 A       • with capacitive load / at 400 V / rated value     72 A       • with capacitive load / at 500 V / rated value     55 A	let-through current / with high-speed activation / maximum	
rated value     in rated value     in vith capacitive load / at 400 V / rated value     in with capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value	Main circuit	
rated value     in rated value     in vith capacitive load / at 400 V / rated value     in with capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value     in vith capacitive load / at 500 V / rated value	operational current	
with capacitive load / at 500 V / rated value     55 A  Auxiliary circuit		100 A
with capacitive load / at 500 V / rated value     55 A  Auxiliary circuit	<ul> <li>with capacitive load / at 400 V / rated value</li> </ul>	72 A
Auxiliary circuit		55 A
number of CO contacts / for auxiliary contacts		
	number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts 0	number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts 0	number of NO contacts / for auxiliary contacts	0
Suitability	Suitability	
suitability for use	suitability for use	
main switch     No	-	No
switch disconnector     Yes	switch disconnector	Yes
EMERGENCY OFF switch     No	EMERGENCY OFF switch	No
safety switch     Yes	<ul> <li>safety switch</li> </ul>	Yes
maintenance/repair switch     Yes	-	Yes
Product details		

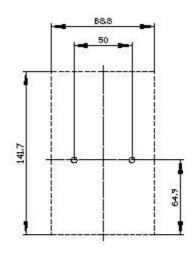
product feature / interlock	Yes
<ul> <li>product component / trip indicator</li> </ul>	– No
<ul> <li>product function / phase failure monitoring</li> </ul>	No
<ul> <li>product component / undervoltage release</li> </ul>	No
<ul> <li>product component / undervoltage release with</li> </ul>	No
leading contact	
product feature / sealable	Yes
product extension / auxiliary switch	Yes
product extension / optional	
<ul> <li>locking capability</li> </ul>	Yes
motor drive	No
<ul> <li>phase failure monitoring</li> </ul>	Yes
<ul> <li>fuse monitoring</li> </ul>	Yes
<ul> <li>voltage trigger</li> </ul>	No
<ul> <li>overvoltage protection monitoring</li> </ul>	Yes
Product function	
product function	
fuse monitoring	No
<ul> <li>overvoltage protection monitoring</li> </ul>	No
Short circuit	
conditional short-circuit current (Iq)	
rated value	80 kA
<ul> <li>at AC / at 240 V / with high-speed activation / rated value</li> </ul>	80 kA
<ul> <li>at AC / at 500 V / with high-speed activation / rated value</li> </ul>	80 kA
<ul> <li>at AC / at 690 V / with high-speed activation / rated value</li> </ul>	50 kA
<ul> <li>with closed switch / at AC / at 240 V / rated value</li> </ul>	120 kA
<ul> <li>with closed switch / at AC / at 500 V / rated value</li> </ul>	120 kA
<ul> <li>with closed switch / at AC / at 690 V / rated value</li> </ul>	100 kA
Connections	
arrangement of electrical connectors / for main current	other
circuit	
connectable conductor cross-section / for main contacts	
solid or stranded / minimum	1.5 mm <sup>2</sup>
<ul> <li>solid or stranded / maximum</li> </ul>	50 mm <sup>2</sup>
<ul> <li>finely stranded / with core end processing / minimum</li> </ul>	1.5 mm²
<ul> <li>finely stranded / with core end processing / maximum</li> </ul>	35 mm²
<ul> <li>stranded / minimum</li> </ul>	1.5 mm²
stranded / maximum	50 mm²
tightening torque / with screw-type terminals <ul> <li>minimum</li> </ul>	3.5 N·m
• maximum	4 N·m
type of connectable conductor cross-sections / of the laminated conductors / maximum	8 x 8 mm
type of connection technology	Box terminal
type of electrical connection / for main current circuit	box terminal
Mechanical Design	
height	141.7 mm
width	88.8 mm
depth	74.1 mm
fastening method	mounting plate
fastening method	
floor mounting	Yes
4-hole front mounting	No
<ul> <li>front mounting with central attachment</li> </ul>	No

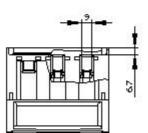
<ul> <li>rail mounting</li> </ul>			No			
mounting position		horizontal/vertical				
net weight		0.47 kg				
Environmental condit	ions					
ambient temperature	/ during operation					
<ul> <li>minimum</li> </ul>			-25 °C	)		
<ul> <li>maximum</li> </ul>			55 °C			
ambient temperature	/ during storage					
<ul> <li>minimum</li> </ul>			-50 °C			
<ul> <li>maximum</li> </ul>		0° C				
General Product Ap	oproval				Declaration of Conformity	Test Certificates
CCC	<b>SAN</b> ®	<u>Miscellaneo</u>	<u>ous</u>	EHC	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>
Test Certificates	Marine / Shipping			other		
<u>Type Test Certific-</u> ates/Test Report	Lloyd's Register urs	DNV-GL		<u>Miscellaneous</u>		
Further information	wnloadcenter (Catalog	s. Brochures	)			

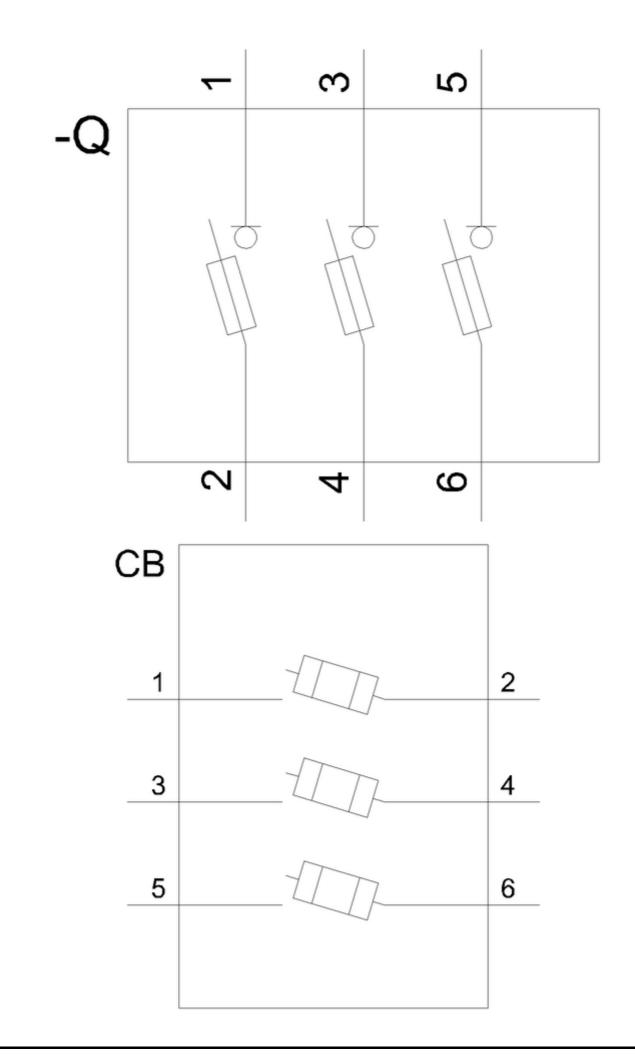
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