## **SIEMENS**

Data sheet 3RT1275-6AS36



vacuum contactor, AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC operation 500-550 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	63 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	21 W
<ul> <li>without load current share typical</li> </ul>	10 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C

10	relative humidity minimum	10 %
Marsin circuit   S   number of poles for main current circuit   S   number of NO contacts for main current circuit   S   number of NO contacts for main current   S   S   S   S   S   S   S   S   S		
number of poles for main current circuit		
Description voltage	Main circuit	
operating voltage  ■ at AC-3 rated value maximum  ■ at AC-3 rated value maximum  ■ at AC-1 at 400 V at ambient temperature 40 °C rated value  ■ of AC-1 at 400 V at ambient temperature 40 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — up to 1000 V at ambient temperature 60 °C rated value  — at 500 V rated value  ■ at 400 V rated value  — at 500 V rated value  — at 500 V rated value  — at 500 V rated value  — at 600 V rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  — up to 600	number of poles for main current circuit	3
at AC-3 rated value maximum     at AC-3 rated value maximum     at AC-3 rated value     at AC-1 at 400 V at ambient temperature 40 °C rated value     at AC-1 arbon V at ambient temperature 40 °C rated value     at AC-1 arbon V at ambient temperature 60 °C rated value     —up to 580 V at ambient temperature 60 °C rated value —up to 1000 V at ambient temperature 40 °C rated value —up to 1000 V at ambient temperature 40 °C rated value —up to 1000 V at ambient temperature 40 °C rated value —up to 1000 V at ambient temperature 60 °C rated value —at 600 V rated value —aup to 600 V for current peak value n=20 rated value —aup to 500 V for current peak value n=20 rated value —aup to 500 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —aup to 600 V for current peak value n=30 rated value —a	number of NO contacts for main contacts	3
operational current  • at AC-1 at 400 V at ambient temperature 40 °C ratiled value  • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — at AC-3 rated value — at 400 V rated value — at 590 V rated value — at 690 V rated value — at 1000 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 690 V rated value — at 690 V rated value — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n	<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
at AC-1 at 400 V at ambient temperature 40 °C rated value		1 000 V
rated value  at AC-1  — up to 590 V at ambient temperature 40 °C rated value — up to 590 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — at 590 V rated value — at 590 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V raced value — at 1000 V raced value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V raced value — at 1000 V raced value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up t	•	
rated value  — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 V rated value — up to 1000 V for current peak value n=30 rated value — at 400 V rated value — at 600 V rated	rated value	610 A
rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — at 1000 V rated value — at 400 V rated value — at 500 V rated value — at 1000 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — up to 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V		610 A
rated value  — up to 1000 V at ambient temperature 60 °C rated value  ■ at AC-3  — at 400 V rated value  — at 500 V rated value  — at 500 V rated value  — at 1000 V rated value  — at 1000 V rated value  — at 400 Y rated value  — at 1000 V rated value  — at 1000 V rated value  — at 1000 V rated value  — at 500 V rated value  — at 1000 V rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for		550 A
at AC-3  — at 400 V rated value — at 500 V rated value — at 1000 V rated value — at 400 V rated value — at 1000 V rated value — at 400 V rated value — at 1000 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 V roted value — at 400 V roted value — at 400 V rated value	·	
at 400 V rated value	rated value	550 A
at 500 V rated value		400 A
- at 690 V rated value		
<ul> <li>at 1000 V rated value</li> <li>at AC-3e</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>— at 690 V rated value</li> <li>— at 690 V rated value</li> <li>— at 1000 V rated value</li> <li>— up to 230 V for current peak value n=20 rated value</li> <li>— up to 500 V for current peak value n=20 rated value</li> <li>— up to 500 V for current peak value n=20 rated value</li> <li>— up to 1000 V for current peak value n=20 rated value</li> <li>— up to 1000 V for current peak value n=20 rated value</li> <li>— up to 230 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 690 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rate</li></ul>		
at AC-3e     — at 400 V rated value     — at 500 V rated value     — at 500 V rated value     — at 690 V rated value     — at 1000 V rated value     400 A     — at 1000 V rated value     • at AC-4 at 400 V rated value     • at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 400 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 1000 V for current peak value n=20 rated value     — up to 1000 V for current peak value n=20 rated value     — up to 1000 V for current peak value n=20 rated value     — up to 230 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 1000 V for current peak value n=30 rated value     — up to 1000 V for current peak value n=30 rated value     — up to 1000 V for current peak value n=30 rated value     — up to 400 V rated value n=30 rated value     — up to 1000 V for current peak value n=30 rated value     — up to 400 V rated value n=30 rated value     — up to 400 V rated value n=30 rated value     — up to 400 V rated value     — up to 400 V rated value     — at 400 V rated value     • at 400 V rated value		
- at 400 V rated value		
- at 690 V rated value - at 1000 V rated value 400 A  • at AC-4 at 400 V rated value • at AC-6a  — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 4000 V for current peak value n=30 rated value — up to 4000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value		400 A
- at 1000 V rated value  • at AC-4 at 400 V rated value  • at AC-6a  — up to 230 V for current peak value n=20 rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 690 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 230 V for current peak value n=20 rated value  — up to 230 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value	— at 500 V rated value	400 A
at AC-4 at 400 V rated value at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 400 V roter to approx. 200000 operating cycles at AC-4  at 690 V rated value  operational current for approx. 200000 operating cycles at AC-3  operating power  at AC-3		400 A
at AC-6a  — up to 230 V for current peak value n=20 rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 690 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 230 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated valu	— at 1000 V rated value	400 A
- up to 230 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value  • at AC-6a - up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated	• at AC-4 at 400 V rated value	350 A
value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 690 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  — up to 1000 V for current peak value n=20 rated value  • at AC-6a  — up to 230 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value n=30 rated value  — up to 690 V for current peak value n=30 rated	• at AC-6a	
value  — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value  • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — 175 A • at 400 V rated value  • at 4C-3		400 A
value		400 A
value	value	
value  • at AC-6a  — up to 230 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 400 V for current peak value n=30 rated value  — up to 500 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value n=30 rated value  — up to 690 V for current peak value n=30 rated v	value	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> <li>— up to 500 V for current peak value n=30 rated value</li> <li>— up to 690 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>— up to 1000 V for current peak value n=30 rated value</li> <li>minimum cross-section in main circuit at maximum AC-1 rated value</li> <li>operational current for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating power <ul> <li>at AC-3</li> </ul> </li> </ul>	value	400 A
value  — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating power • at AC-3		293 Δ
value  up to 500 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 1000 V for current peak value n=30 rated value  up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operating power  • at AC-3		2007
value  — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value  — up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating power • at AC-3		293 A
value  — up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operating power  • at AC-3	value	
value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operating power  • at AC-3  • at AC-3	value	
rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operating power • at AC-3	value	
cycles at AC-4	rated value	OTO HILLI
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating power</li> <li>at AC-3</li> </ul>		
operating power  ◆ at AC-3	-	175 A
• at AC-3	• at 690 V rated value	175 A
	— at 230 V rated value	132 kW
— at 400 V rated value 200 kW	— at 400 V rated value	200 kW

— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
• at AC-3e	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
operating power for approx. 200000 operating cycles at AC-4	
<ul><li>at 400 V rated value</li></ul>	98 kW
at 690 V rated value	172 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	150 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	270 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	340 000 VA
• up to 690 V for current peak value n=20 rated value	470 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	690 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	110 000 VA
• up to 400 V for current peak value n=30 rated value	200 000 VA
• up to 500 V for current peak value n=30 rated value	250 000 VA
• up to 690 V for current peak value n=30 rated value	350 000 VA
up to 1000 V for current peak value n=30 rated value     value	500 000 VA
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	2 000 1/11
• at AC-1 maximum	700 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	250 1/11
	40/20
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	=00 ==0\/
• at 50 Hz rated value	500 550 V
at 60 Hz rated value	500 550 V
control supply voltage at DC	
• rated value	500 550 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated	
value of magnet coil at AC	
value of magnet coil at AC  ● at 50 Hz	0.8 1.1
value of magnet coil at AC  • at 50 Hz  • at 60 Hz	0.8 1.1
value of magnet coil at AC  ■ at 50 Hz  ■ at 60 Hz  design of the surge suppressor	
value of magnet coil at AC  • at 50 Hz  • at 60 Hz	0.8 1.1
value of magnet coil at AC  ■ at 50 Hz  ■ at 60 Hz  design of the surge suppressor	0.8 1.1
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz	0.8 1.1 with varistor
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz	0.8 1.1 with varistor  830 VA
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz	0.8 1.1 with varistor  830 VA
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with closing power of the coil	0.8 1.1 with varistor  830 VA 830 VA
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with closing power of the coil  • at 50 Hz	0.8 1.1 with varistor  830 VA 830 VA 0.9
value of magnet coil at AC  • at 50 Hz • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz	0.8 1.1 with varistor  830 VA 830 VA 0.9
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with closing power of the coil  • at 50 Hz  • at 60 Hz  apparent holding power of magnet coil at AC	0.8 1.1 with varistor  830 VA 830 VA  0.9 0.9

Inductive power factor with the holding power of the coil   20		
	inductive power factor with the holding power of the	
a di 60 kz closing power of magnet coil at DC closing power of magnet coil at DC closing delay		n
Closing power of magnet coil at DC		
Inciding power of magnet coil at DC		
Closing delay		
		10 44
• at DC opening delay • at AC • at DC acting time control version of the switch operating mechanism Auxiliarry circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum oporational current at AC-18 maximum oporational current at DC-12 • at 260 V rated value • at 690 V rated value • at 690 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 120 V rated value • at 125 V rated value • at 120 V rated value • at 140 V rated value • at 120 V rated value • at 200/200 V rated value		45 100 ms
Opening delay		
** at DC		40 100 III6
■ et DC arcing time control version of the switch operating mechanism  Auxiliary circuit  Instantaneous contact Instantaneous Ins		60 100 ms
10_, 15 ms   Standard A1 - A2		
Control version of the switch operating mechanism  Auxiliary circuit  Inmiber of NC contacts for auxiliary contacts Instantaneous contact Instantaneous co		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  at 230 V rated value at 400 V rated value at 60 V rated value at 60 V rated value at 60 V rated value be at 60 V rated value at		
number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 100 V rated value • at 100 V rated value • at 48 V rated value • at 100 V rated value • at 100 V rated value • at 100 V rated value • at 125 V rated value • at 100 V rated value • at 200 V rated value • at 800		Canda AT 72
instantaneous contact instantaneous contact instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 4500 V rated value • at 500 V rated value • at 600 V rated value • at 60 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value  operational current at DC-13 • at 24 V rated value • at 100 V rated value • at 110 V rated value • at 200 V rated value • at 600 V rated value		2
Dumber of NO contacts for auxillary contacts instantaneous contact operational current at AC-15		2
Operational current at AC-12 maximum   10 A	number of NO contacts for auxiliary contacts	2
Operational current at AC-15     at 230 V rated value		10 A
• at 230 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 10 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 60 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 60 V	· ·	
at 400 V rated value     at 600 V rated value     at 40 V rated value     at 60 V rated value     at 10 V rated value     at 22 V rated value     at 22 V rated value     at 20 V rated value     at 24 V rated value     at 48 V rated value     at 48 V rated value     at 10 V rated value     at 22 V rated value     at 22 V rated value     at 22 V rated value     at 20 V rated value     at 20 V rated value     at 80 V rated value     at 20 V rated value     at 600 V rated value     361 A     at 600 V rated value     362 A  yielded mechanical performance (hp)     • for 3-phase AC motor     - at 200/200 V rated value     - at 200/200 V rated value     - at 200/200 V rated value     - at 400/400 V rated value     - at 575/600 V rated value     - at 575/600 V rated value     - at 575/600 V rated value     - with type of coordination 1 required     - with type of assignment 2 required     - with type	•	6 A
• at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 22 V rated value • at 25 V rated value • at 600 V rated value • at 125 V rated value • at 126 V rated value • at 126 V rated value • at 126 V rated value • at 120 V rated value • at 120 V rated value • at 120 V rated value • at 600 V rated value • at		
• at 690 V rated value		
Operational current at DC-12		
• at 24 V rated value • at 48 V rated value • at 60 V rated value • at 61 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at		
• at 60 V rated value	•	10 A
• at 110 V rated value 2 A • at 125 V rated value 1 A • at 220 V rated value 0.15 A  operational current at DC-13 • at 24 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 3 A • at 25 V rated value 4 A • at 125 V rated value 5 A • at 25 V rated value 9 A • at 120 V rated value 9 A • at 300 V rated value 9 A • at 480 V rated value 382 A  yielded mechanical performance [hp] • for 3-phase AC motor 9 At 200/208 V rated value 125 hp • at 220/230 V rated value 150 hp • at 460/480 V rated value 150 hp • at 460/480 V rated value 300 hp • at 4575/600 V rated value 300 hp • at 575/600 V rated value 300 hp • or short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit • with type of assignment 2 required 9 G: 800 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch 9 G: 10 A (500 V, 1 kA)	at 48 V rated value	6 A
	at 60 V rated value	6 A
• at 600 V rated value  operational current at DC-13  • at 24 V rated value  • at 48 V rated value  • at 60 V rated value  • at 10 V rated value  • at 110 V rated value  • at 125 V rated value  • at 220 V rated value  • at 220 V rated value  • at 220 V rated value  • at 200 V rated value  • at 600 V rated value  • at 600 V rated value  • at 600 V rated value  • at 480 V rated value  • at 600 V rated value  • at 200/208 V rated value  — at 200/208 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of assignment 2 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  9G: 800 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch	at 125 V rated value	2 A
operational current at DC-13  • at 24 V rated value • at 48 V rated value • at 46 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value  Contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value  7 or 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required  With type of assignment 2 required  For short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch	• at 220 V rated value	1 A
at 24 V rated value at 48 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 3 A at 125 V rated value 3 A at 220 V rated value 4 A at 220 V rated value 5 A at 600 V rated value 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A	• at 600 V rated value	0.15 A
at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 22 V rated value at 22 V rated value at 220 V rated value at 220 V rated value at 20 V rated value at 600 V rated value at 600 V rated value  contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 200/208 V rated value at 200/208 V rated value at 25 hp at 260/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required with type of short-circuit protection of the auxiliary switch  of or short-circuit protection of the auxiliary switch of or short-circuit protection of the auxiliary switch of of short-circuit protection of the auxiliary switch	operational current at DC-13	
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>be at 600 V rated value</li> <li>contact reliability of auxiliary contacts</li> <li>I faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 60/480 V rated value</li> <li>at 60/480 V rated value</li> <li>at 575/600 V rated value</li> <li>at 575/600 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>y 50 kA)</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 800 A (690 V, 100 kA)</li> <li>gG: 800 N, 100 KA)</li> <li>gG: 800 N, 100 KA)</li> <li>gG: 100 N, 100 KA)</li> </ul>	at 24 V rated value	10 A
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 25 hp</li> <li>at 220/230 V rated value</li> <li>at 25 hp</li> <li>at 260/480 V rated value</li> <li>at 575/600 V rated value</li> <li>at 575/600 V rated value</li> <li>who hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>GG: 800 A (690 V, 100 kA)</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>of or short-circuit protection of the auxiliary switch</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>	• at 48 V rated value	2 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/2230 V rated value</li> <li>125 hp</li> <li>at 220/230 V rated value</li> <li>150 hp</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>400 hp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>GG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>	• at 60 V rated value	2 A
at 220 V rated value at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value  for 3-phase AC motor  at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rate	• at 110 V rated value	1 A
at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 460/480 V rated value  at 500 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  with type of assignment 2 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch	• at 125 V rated value	0.9 A
contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  9 for 3-phase AC motor  - at 200/208 V rated value  125 hp  - at 220/230 V rated value  150 hp  - at 460/480 V rated value  - at 475/600 V rated value  200 rated value  100 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch	• at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  • for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — of or short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  • for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — of or short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  • at 200/208 V rated value  — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch		
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>382 A</li> <li>yielded mechanical performance [hp]</li> <li>for 3-phase AC motor  — at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> <li>— at 575/600 V rated value</li> <li>Woo hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>gG: 800 A (690 V, 100 kA)</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>		
at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch		361 A
yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value 150 hp — at 460/480 V rated value 300 hp — at 575/600 V rated value 400 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch		
<ul> <li>for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value 150 hp — at 460/480 V rated value 300 hp — at 575/600 V rated value 400 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required for short-circuit protection of the auxiliary switch  for short-circuit protection of the auxiliary switch  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)</li> </ul>		
- at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  125 hp  150 hp  400 hp  A600 / Q600  Short-circuit protection  Ges 800 A (690 V, 100 kA)  Ges 800 A (690 V, 100 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch  Ges 10 A (500 V, 1 kA)		
- at 220/230 V rated value - at 460/480 V rated value 300 hp - at 575/600 V rated value 400 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch  gG: 10 A (500 V, 1 kA)	•	125 hp
- at 460/480 V rated value  - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the auxiliary switch  300 hp  400 hp  A600 / Q600  Short-circuit protection of the main circuit  - gG: 800 A (690 V, 100 kA)  gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch  gG: 10 A (500 V, 1 kA)		
- at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  - with type of coordination 1 required  with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  gG: 800 A (690 V, 100 kA)  gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  gG: 10 A (500 V, 1 kA)		·
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  G: 800 A (690 V, 100 kA)  g: 800 A (690 V, 100 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch  G: 10 A (500 V, 1 kA)		·
Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch  gG: 800 A (690 V, 100 kA)  gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch  gG: 10 A (500 V, 1 kA)		
design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>gG: 800 A (690 V, 100 kA)</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>for short-circuit protection of the auxiliary switch</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> </ul>		
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>• for short-circuit protection of the auxiliary switch</li> <li>gG: 800 A (690 V, 100 kA)</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>• for short-circuit protection of the auxiliary switch</li> <li>gG: 800 A (690 V, 100 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul>	_	
<ul> <li>— with type of assignment 2 required</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> <li>● for short-circuit protection of the auxiliary switch</li> <li>gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)</li> </ul>		gG: 800 A (690 V. 100 kA)
• for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)		gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415
		·

nstallation/ mounting/ dimensions	1/ 20 F9 retation magginla
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface
fastening method	screw fixing
side-by-side mounting	Yes
height	214 mm
width	160 mm
depth	225 mm
required spacing	220 11111
with side-by-side mounting	
— forwards	20 mm
	10 mm
— upwards — downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
<ul> <li>for live parts</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals Screw-type terminals
	25 mm
width of connection bar	
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross	2A (20 10), 2A (10 14), 1A 12
section	
for auxiliary contacts	18 14
afety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>	No
protection class IP on the front according to IEC	IP00; IP20 with box terminal/cover
60529	

## suitability for use

• safety-related switching OFF

Yes

Certificates/ approvals

**General Product Approval** 

**EMC** 













Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping

other







Confirmation

**Miscellaneous** 

Confirmation

Railway

Special Test Certificate

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1275-6AS36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1275-6AS36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6AS36

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

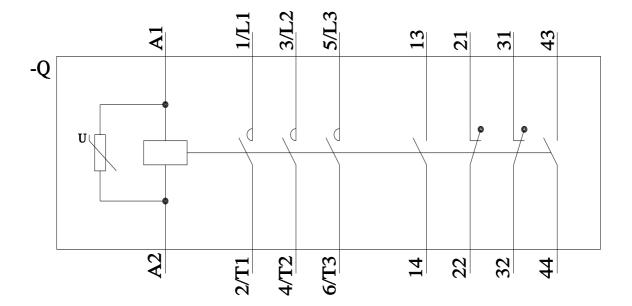
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1275-6AS36\&lang=enderse$ 

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6AS36/char

Further characteristics (e.g. electrical endurance, switching frequency)

 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RT1275-6AS36\&objecttype=14\&gridview=view1}$ 



last modified: 3/24/2022 🖸