# **SIEMENS**

Data sheet 3RT2026-1AP60



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
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>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	2.7 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (operating 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)	10/01/2009
Weight	0.415 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	74.2 kg
global warming potential [CO2 eq] during manufacturing	1.9 kg
global warming potential [CO2 eq] during operation	72.4 kg
global warming potential [CO2 eq] after end of life	-0.117 kg
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	40 A
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
at AC-5a up to 690 V rated value     at AC-5b up to 400 V rated value	35.2 A
<ul><li>at AC-5b up to 400 V rated value</li><li>at AC-6a</li></ul>	20.7 A
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
— up to 500 V for current peak value n=30 rated value	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	9 A
at 690 V rated value	9 A
operational current	
at 1 current path at DC-1      at 24 V roted value.	2E A
— at 24 V rated value — at 60 V rated value	35 A 20 A
— at 60 V rated value  — at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A

	with 3 current paths in series at DC-1	
	-	35 A
### at 1 current path at DC-3 at DC-5  ### at 24 V raided value  ### at 50 V raided value  ### at 20 V raided value  ### at 30 V raided value  ### at 20 V raided value  ### a		
	• at 1 current path at DC-3 at DC-5	
	•	20 A
at 440 V rated value	— at 60 V rated value	5 A
at 600 V rated value at 100 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 600 V rated value	— at 220 V rated value	1 A
- with 2 current paths in series at DC-3 at DC-5  - at 24 V rated value - at 10 V rated value - at 20 V rated value - at 20 V rated value - at 20 V rated value - at 40 V rated value - at 40 V rated value - at 60 V rated value - at 24 V rated value - at 60 V rated value - at 25 A - at 20 V rated value - at 400 V rated value - at 500 V rated value - at 500 V rated value - at 600 V rated value - at	— at 440 V rated value	0.09 A
	— at 600 V rated value	0.06 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	35 A
	— at 60 V rated value	35 A
	— at 110 V rated value	15 A
→ with 3 current paths in series at DC-3 at DC-5           − at 24 V rated value         35 A           − at 10 V rated value         35 A           − at 11 V rated value         35 A           − at 220 V rated value         0.8 A           − at 440 V rated value         0.8 A           − at 600 V rated value         0.8 A           − at 600 V rated value         1.8 W           − at 230 V rated value         1.1 kW           − at 500 V rated value         1.1 kW           − at 500 V rated value         1.1 kW           − at 230 V rated value         1.1 kW           − at 230 V rated value         1.1 kW           − at 230 V rated value         1.1 kW           − at 250 V rated value         1.1 kW           − at 400 V rated value         1.1 kW           − at 690 V rated value         1.2 kW           • at 400 V rated value         7.7 kW           • at 400 V rated value         7.7 kW           • up to 200 V for current peak value n=20 rated value         1.2 kVA           • up to 200 V for current peak value n=20 rated value         5.3 kVA <td>— at 220 V rated value</td> <td>3 A</td>	— at 220 V rated value	3 A
- with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 60 V rated value - at 110 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - at 600 V rated value - at 600 V rated value - at 500 V rated value - at 690 V rated valu	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	-	
	— at 24 V rated value	
operating power  • at AC-3  — at 230 V rated value — at 690 V rated value — at 500 V rated value — at 690 V rated value  • at 690 V rated value • at 690 V rated value  • at 690 V roted value • at 690 V roted value • at 690 V roted value • at 690 V roted value • at 690 V roted value • at 690 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 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 • up to 690 V for current peak value n=30 rated value • up to 690 V for		
• at AC-3  — at 230 V rated value — at 600 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at 500 V rated value — at 600 V		
at AC-3  at 230 V rated value  at 500 V rated value  at 690 V rated value  at AC-3e  at 230 V rated value  11 kW  at AC-3e  at 230 V rated value  at 400 V rated value  at 400 V rated value  at 5.5 kW  at 400 V rated value  11 kW  at 690 V rated value  11 kW  perating power for approx. 200000 operating cycles at AC-4  at 400 V rated value  11 kW  operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value  4.4 kW  at 690 V rated value  7.7 kW  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value  up to 800 V for current peak value n=20 rated value  up to 800 V for current peak value n=20 rated value  up to 800 V for current peak value n=20 rated value  up to 800 V for current peak value n=20 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 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  15.4 kVA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value  up to 500 V for current peak value n=30 rated value  15.4 kVA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value  15.4 kVA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value  30 kVA  11.6 kVA  11.6 kVA  short-time withstand current in cold operating state up to  40 °C  il minted to 10 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero current maximum  il minted to 60 s switching at zero cur		0.6 A
- at 230 V rated value - at 400 V rated value - at 690 V rated value - at 890 V rated value - at 690 V rated value - at 230 V rated value - at 400 V rated value - at 690 V rated value - up to 230 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 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 pea		
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 230 V rated value - at 230 V rated value - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 500 V rated value - at 500 V rated value - at 690 V ror 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		5 5 WW
- at 500 V rated value - at 690 V rated value • at AC-3e - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 500 V rated value - at 690 V rated value - at 400 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value - 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 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 690 V for		
- at 690 V rated value  • at AC-3e  - at 230 V rated value  - at 400 V rated value  - at 690 V rated value  11 kW  - at 690 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 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 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 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 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  • 11 kW   11 kW   4. kW  4. kW  5 kVA  13.9 kVA  15.4 kVA   15.5 kVA   16.6 kVA  17.6 kVA  17.6 kVA  18.6 kVA  19.8 kVA  19.9 kVA  10.6 kVA  10.		
at AC-3e  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — 11 kW  — at 690 V rated value — 11 kW  operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value — at 690 V rated value — a		
- at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value		
- at 500 V rated value - at 690 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power 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 690 V for current peak value n=20 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value  in the following at zero current peak value  short-time withstand current in cold operating state up to  40 °C • limited to 1 s switching at zero current maximum  ilimited to 5 s switching at zero current maximum  ilimited to 50 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching frequency		5.5 kW
- at 690 V rated value  operating power for approx. 200000 operating cycles at AC-  4  • at 400 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 690 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 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 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 • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum	— at 400 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC- 4  • at 400 V rated value • at 690 V rated value  • up to 230 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 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 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 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 • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum	— at 500 V rated value	11 kW
at 400 V rated value at 690 V rated value 7.7 kW  operating apparent power at AC-6a  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 690 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value 15.4 kVA  operating apparent power 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 11.6 kVA up to 690 V for current peak value n=30 rated value limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum	— at 690 V rated value	11 kW
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>7.7 kW</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>13.9 kVA</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>17.4 kVA</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>15.4 kVA</li> <li>operating apparent power at AC-6a</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>3.3 kVA</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>16.8 kVA</li> <li>up to 690 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>thinted to 1 s switching at zero current maximum</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>		
• at 690 V rated value  operating apparent power 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 230 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 690 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • limited to 1 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum		4.4.144
operating apparent power at AC-6a     oup to 230 V for current peak value n=20 rated value     oup to 400 V for current peak value n=20 rated value     oup to 500 V for current peak value n=20 rated value     oup to 690 V for current peak value n=20 rated value     oup to 690 V for current peak value n=20 rated value     operating apparent power at AC-6a     oup to 230 V for current peak value n=30 rated value     oup to 400 V for current peak value n=30 rated value     oup to 500 V for current peak value n=30 rated value     oup to 500 V for current peak value n=30 rated value     oup to 690 V for current pe		
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 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 690 V for current peak value n=20 rated value</li> <li>17.4 kVA</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>15.4 kVA</li> <li>operating apparent power at AC-6a</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>tinited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> </ul>		1.1 KVV
<ul> <li>up to 400 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 690 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 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 690 V for current peak value n=30 rated value</li> <li>to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>		8 kVA
up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     15.4 kVA      operating apparent power 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     inited to 1 s switching at zero current maximum     ilmited to 5 s switching at zero current maximum     ilmited to 10 s switching at zero current maximum     ilmited to 30 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching at zero current maximum     ilmited to 60 s switching frequency		
• up to 690 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 690 V for current peak value n=30 rated value     • limited to 1 s switching at zero current maximum     • limited to 5 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 30 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum	·	
operating apparent power 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  short-time withstand current in cold operating state up to  40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum		
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 short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum  118 A; Use minimum cross-section acc. to AC-1 rated value  118 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <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>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> </ul>	• up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 690 V for current peak value n=30 rated value  short-time withstand current in cold operating state up to 40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  118 A; Use minimum cross-section acc. to AC-1 rated value  118 A; Use minimum cross-section acc. to AC-1 rated value	• up to 400 V for current peak value n=30 rated value	9.3 kVA
short-time withstand current in cold operating state up to 40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  118 A; Use minimum cross-section acc. to AC-1 rated value  118 A; Use minimum cross-section acc. to AC-1 rated value	• up to 500 V for current peak value n=30 rated value	11.6 kVA
Imited to 1 s switching at zero current maximum     Imited to 5 s switching at zero current maximum     Imited to 5 s switching at zero current maximum     Imited to 10 s switching at zero current maximum     Imited to 30 s switching at zero current maximum     Imited to 30 s switching at zero current maximum     Imited to 60 s switching at zero current maximum     Imited to 60 s switching at zero current maximum     Imited to 60 s switching at zero current maximum     Imited to 60 s switching at zero current maximum	• up to 690 V for current peak value n=30 rated value	15.5 kVA
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> </ul>		
<ul> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> </ul> 210 A; Use minimum cross-section acc. to AC-1 rated value 118 A; Use minimum cross-section acc. to AC-1 rated value	<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	375 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>144 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>118 A; Use minimum cross-section acc. to AC-1 rated value</li> </ul>	<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	300 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum  118 A; Use minimum cross-section acc. to AC-1 rated value  no-load switching frequency	<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	
no-load switching frequency	-	
	•	118 A; Use minimum cross-section acc. to AC-1 rated value
• at AC 5 000 1/h		E 000 4/h
	• at AC	5 UUU 1/N

operating frequency  at AC-2 maximum  50 1/h  at AC-2 maximum  750 1/h  at AC-3 maximum  750 1/h  7		
a al AC-3 maximum		1 000 1/h
e al AC-3 e maximum	at AC-2 maximum	750 1/h
A CA - Maximum   250 I / Max	at AC-3 maximum	750 1/h
Section   Sect	at AC-3e maximum	750 1/h
Spee of voltage of the control supply voltage at AC   20 V   20	at AC-4 maximum	250 1/h
entrol supply voltage at AC	Control circuit/ Control	
	type of voltage of the control supply voltage	AC
• at 60 Hz rated value         240 V           operating range factor control supply voltage rated value of graget coll at AC entrol supply voltage rated value of at 50 Hz         0.81.1           • at 50 Hz         0.81.1           • at 50 Hz         8.1 VA           • at 50 Hz         8.1 VA           • at 50 Hz         0.72           • at 50 Hz         0.72           • at 50 Hz         0.72           • at 50 Hz         8.5 VA           inductive power factor with the holding power of the coil         9.28           • at 50 Hz         9.28           • at 50 Hz         9.28           • at 50 Hz         9.28           • at 60 Hz         8 40 ms           • accing time         10 10 ms	control supply voltage at AC	
Seperating range factor control supply voltage rated value of magnet coil at AC   • at 50 Hz	at 50 Hz rated value	220 V
magnet coil af AC	at 60 Hz rated value	240 V
• at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz		
# at 50 Hz		0.0 4.4
### 150 Hz		
* at 50 Hz		0.8 1.1
• at 60 Hz		04 \/A
inductive power factor with closing power of the coil         0.72           a 16 0 Hz         0.74           apparent holding power of magnet coil at AC         1.05 VA           a 16 0 Hz         8.5 VA           inductive power factor with the holding power of the coil         0.25           a 15 0 Hz         0.28           closing delay         0.28           a 14 C         4 16 ms           corporting delay         4 16 ms           a racing time         10 10 ms           control version of the switch operating mechanism         standard A1 - A2           unamber of NC contacts for auxiliary contacts instantaneous contact         1           contact         1           a 12 30 V rated value at 4 AC-12 maximum         10 A           a 14 400 V rated value         10 A           a 14 400 V rated value         10 A           a 14 800 V rated value         10 A           a 14 80 V rated value         10 A           a 14 10 V rated value         10 A           a 14 20 V rated value         10 A      a 14 24 V rated value         10 A <t< td=""><td></td><td></td></t<>		
		19 VA
		0.72
### 100 Hz	*****	
• at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at AC • at AC  •		U.17
• at 60 Hz   160 H		10.5 VA
indictive power factor with the holding power of the coil		
• at 50 Hz • at 60 Hz closing delay • at AC seming delay • at AC • at AC seming delay • at AC		0.5 VA
closing delay         840 ms           opening delay         416 ms           aid AC         416 ms           control yersion of the switch operating mechanism         Standard A1 - A2           control yersion of the switch operating mechanism         Standard A1 - A2           contact           number of NC contacts for auxiliary contacts instantaneous contact           number of NO contacts for auxiliary contacts instantaneous contact         1           number of NO contacts for auxiliary contacts instantaneous contact         1           outlead value of NO contacts for auxiliary contacts instantaneous contact         1           outlead value of NO contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         3A           out 2300 V rated value         3A           out 3500 V rated value         1A           out 324 V rated value         6A           out 324 V rated value         10 A           out 325 V rated value         2A           out 326 V rated value         10 A           out 327 V rated value         10 A           out 328 V rated value         10 A           out 329 V rated value         10 A <td></td> <td>0.25</td>		0.25
al AC   8 40 ms   8 40 ms   9 ming delay   al AC   4 16 ms   9 ming delay   10 10 ms   9 ming delay   10 mi		
• at AC         8 40 ms           opening delay         4 16 ms           arcing time         10 10 ms           control version of the switch operating mechanism         Standard A1 - A2           waxiliary circuit           number of NC contacts for auxiliary contacts instantaneous contact         1           contact         2           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 230 V rated value         3 A           • at 360 V rated value         2 A           • at 650 V rated value         1 A           • at 48 V rated value         6 A           • at 48 V rated value         6 A           • at 100 V rated value         3 A           • at 22 V rated value         6 A           • at 110 V rated value         6 A           • at 125 V rated value         1 A           • at 220 V rated value         2 A           • at 220 V rated value         2 A           • at 220 V rated value         1 A           • at 220 V rated value         1 A           • at 220 V rated value         2 A           • at 360 V rated value         2 A           • at 48 V rated value         2 A		0.20
e at AC 4 16 ms control version of the switch operating mechanism  toutiliary circuit  ***Control version of the switch operating mechanism  ***Control version of the switch operation mechanism  ***Control version of the switch operation and version of the switch operation of the sw		8 40 ms
• at AC         4 16 ms           arcing time         10 10 ms           control version of the switch operating mechanism         Standard A1 - A2           wixiliary circuit         10 ms           number of NC contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         • 12 30 V rated value           • at 230 V rated value         3 A           • at 500 V rated value         2 A           • at 690 V rated value         10 A           • at 24 V rated value         6 A           • at 48 V rated value         6 A           • at 60 V rated value         3 A           • at 110 V rated value         6 A           • at 125 V rated value         2 A           • at 125 V rated value         2 A           • at 220 V rated value         1 A           • at 220 V rated value         2 A           • at 220 V rated value         1 A           • at 220 V rated value         2 A           • at 48 V rated value         1 A           • at 220 V rated value         2 A           • at 48 V rated value         2 A           • at 48 V rated value         2 A		0 40 1113
arcing time         10 10 ms           control version of the switch operating mechanism         Standard A1 - A2           uxililary circuit         Variable of NC contacts for auxiliary contacts instantaneous contact         1           number of NC contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           at 230 V rated value         3 A           at 4500 V rated value         2 A           at 500 V rated value         1 A           operational current at DC-12         10 A           at 48 V rated value         6 A           at 48 V rated value         6 A           at 150 V rated value         3 A           at 110 V rated value         2 A           at 125 V rated value         3 A           at 220 V rated value         1 A           at 220 V rated value         2 A           at 220 V rated value         2 A           at 24 V rated value         2 A           at 24 V rated value         10 A           at 24 V rated value         2 A           at 24 V rated value         2 A           at 24 V rated value         2 A           at 24 V rated value		4 16 ms
control version of the switch operating mechanism         Standard A1 - A2           toxiliary circuit         Image: Contact of auxiliary contacts instantaneous contact         Image: Contact of Contacts for auxiliary contacts instantaneous contact           number of NO contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         Image: Contact of Contacts of		
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 690 V rated value • at 690 V rated value • at 48 V rated value • at 40 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 129 V rated value • at 120 V rated value • at 120 V rated value • at 120 V rated value • at 125 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 129 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value • at 600 V rated value		
number of NC contacts for auxiliary contacts instantaneous contact         1           number of NO contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 230 V rated value         3 A           • at 400 V rated value         2 A           • at 690 V rated value         1 A           operational current at DC-12         10 A           • at 24 V rated value         6 A           • at 48 V rated value         6 A           • at 46 OV rated value         3 A           • at 110 V rated value         3 A           • at 125 V rated value         1 A           • at 220 V rated value         0.15 A           • at 600 V rated value         0.15 A           • at 24 V rated value         2 A           • at 24 V rated value         2 A           • at 24 V rated value         2 A           • at 24 V rated value         10 A           • at 38 V rated value         2 A           • at 10 V rated value         2 A           • at 125 V rated value         2 A           • at 125 V rated value         2 A           • at 110 V rated value         2 A	· · · ·	
contact           operational current at AC-15           • at 230 V rated value         10 A           • at 400 V rated value         3 A           • at 500 V rated value         2 A           • at 690 V rated value         1 A           Operational current at DC-12         ***           • at 24 V rated value         6 A           • at 80 V rated value         6 A           • at 60 V rated value         6 A           • at 110 V rated value         2 A           • at 125 V rated value         2 A           • at 220 V rated value         1 A           • at 600 V rated value         1 A           • at 600 V rated value         0.15 A           Operational current at DC-13         ***           • at 24 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         1 A           • at 60 V rated value         2 A           • at 110 V rated value         2 A           • at 22 V rated value         0.9 A           • at 22 V rated value         0.9 A           • at 25 V rated value         0.0 A           • at 220 V rated value         0.0 A           • at 220 V rated value         0.0 A		1
Departional current at AC-15	•	1
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> </ul> Operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 80 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 48 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 100 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at</li></ul>		
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> </ul> Operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>6 A</li> <li>at 48 V rated value</li> <li>6 A</li> <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 10 A</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 10 A</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>at 120 V rated value</li> <li>at 600 V rated value</li> </ul>		10 A
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>6 A</li> <li>at 60 V rated value</li> <li>6 A</li> <li>at 10 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 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 10 A</li> <li>at 48 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 120 V rated value</li> <li>at 120</li></ul>	operational current at AC-12 maximum	10 A
● at 690 V rated value       1 A         Operational current at DC-12       10 A         ● at 24 V rated value       6 A         ● at 60 V rated value       6 A         ● at 110 V rated value       3 A         ● at 125 V rated value       1 A         ● at 220 V rated value       0.15 A         Operational current at DC-13       10 A         ● at 48 V rated value       2 A         ● at 48 V rated value       2 A         ● at 60 V rated value       2 A         ● at 110 V rated value       2 A         ● at 125 V rated value       1 A         ● at 220 V rated value       0.9 A         ● at 220 V rated value       0.3 A         ● at 600 V rated value       0.1 A	operational current at AC-12 maximum operational current at AC-15	
operational current at DC-12         ● at 24 V rated value       10 A         ● at 48 V rated value       6 A         ● at 10 V rated value       3 A         ● at 125 V rated value       2 A         ● at 220 V rated value       1 A         ● at 600 V rated value       0.15 A         Operational current at DC-13         ● at 24 V rated value       10 A         ● at 48 V rated value       2 A         ● at 60 V rated value       2 A         ● at 110 V rated value       1 A         ● at 125 V rated value       0.9 A         ● at 220 V rated value       0.3 A         ● at 600 V rated value       0.1 A	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value	10 A
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 6 A</li> <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 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 100 V rated valu</li></ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value  • at 400 V rated value	10 A 3 A
<ul> <li>at 48 V rated value</li> <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 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 A 3 A 2 A
<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 600 V rated value</li> <li>at 600 V rated value</li> <li>on 15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 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 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value	10 A 3 A 2 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>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 200 V rated value</li> <li>at 200 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> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operational current at DC-12	10 A 3 A 2 A 1 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <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 200 V rated value</li> <li>at 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12 • at 24 V rated value	10 A 3 A 2 A 1 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <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 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12 • at 24 V rated value • at 48 V rated value	10 A 3 A 2 A 1 A
<ul> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 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 600 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 60 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A
operational current at DC-13         • at 24 V rated value       10 A         • at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 110 V rated value       1 A         • at 125 V rated value       0.9 A         • at 220 V rated value       0.3 A         • at 600 V rated value       0.1 A	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 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 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A
<ul> <li>at 48 V rated value</li> <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 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A
<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 600 V rated value</li> <li>at 600 V rated value</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 115 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A 0.15 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>1 A</li> <li>0.9 A</li> <li>0.3 A</li> <li>0.1 A</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 6 A 2 A 1 A 0.15 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.9 A</li> <li>0.3 A</li> <li>0.1 A</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 6 A 2 A 1 A 0.15 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.3 A</li> <li>0.1 A</li> </ul>	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A  10 A 2 A 1 A 0.15 A
at 600 V rated value     0.1 A	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A  10 A 2 A 1 A 0.15 A
	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 40 V rated value • at 410 V rated value • at 410 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 125 V rated value • at 110 V rated value • at 125 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A  10 A 2 A 2 A 1 A 0.9 A 0.3 A
	operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 125 V rated value	10 A 3 A 2 A 1 A  10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A  10 A 2 A 2 A 1 A 0.9 A 0.3 A

at 600 V rated value  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value  2	21 A 22 A
at 480 V rated value  at 600 V rated value  yielded mechanical performance [hp]  for single-phase AC motor  at 110/120 V rated value  2	
at 600 V rated value  yielded mechanical performance [hp]      for single-phase AC motor      at 110/120 V rated value  2	
yielded mechanical performance [hp]  ● for single-phase AC motor  — at 110/120 V rated value	
● for single-phase AC motor  — at 110/120 V rated value 2	
— at 110/120 V rated value	
	2 hp
	3 hp
• for 3-phase AC motor	o rip
· ·	5 hp
	7.5 hp
	15 hp
	20 hp
	A600 / P600
Short-circuit protection	7,000 71 000
	C characteristic: 10 A; 0.4 kA
of the auxiliary circuit up to 230 V	
design of the fuse link	
for short-circuit protection of the main circuit	
,	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
	backward by +/- 22.5° on vertical mounting surface
	Yes
	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  85 mm
	45 mm
	97 mm
depth 9	97 111111
with side-by-side mounting	
	10 mm
	10 mm
·	10 mm
	0 mm
• for grounded parts	V IIIII
	10 mm
	10 mm
	6 mm
	10 mm
for live parts	10 11111
·	10 mm
	10 mm
TP T T	10 mm
	6 mm
Connections/ Terminals	V 11111
type of electrical connection	
	screw-type terminals
	screw-type terminals
·	Screw-type terminals
•	Screw-type terminals
type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
	2x (1 2.5 mm²), 2x (2.5 10 mm²)
	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	, , ,
• solid	1 10 mm²
• stranded 1	1 10 mm²

finely stranded with core end processing	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 8
• for auxiliary contacts	20 14
Safety 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
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	

### **General Product Approval**









<u>KC</u>



EMV Test Certificates Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping other







Miscellaneous

Confirmation

Confirmation

Railway Environment



#### Environmental Confirmations

#### Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT2026-1AP60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AP60

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP60

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

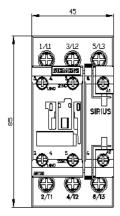
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AP60&lang=en

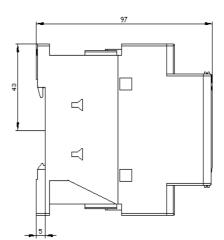
Characteristic: Tripping characteristics, I²t, Let-through current

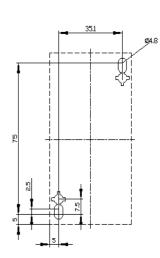
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP60/char

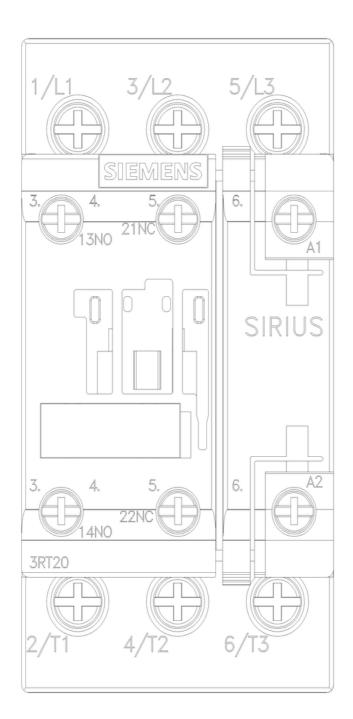
Further characteristics (e.g. electrical endurance, switching frequency)

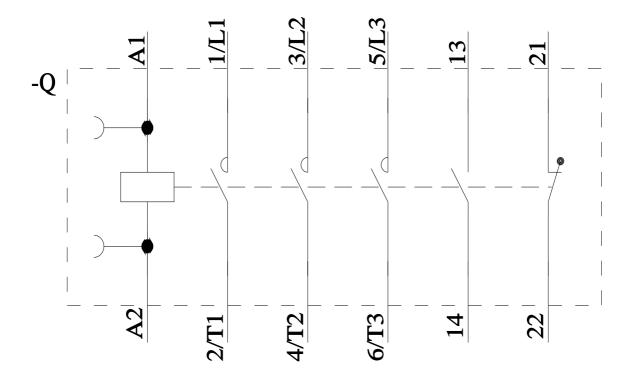
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AP60&objecttype=14&gridview=view1











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**Authorized Distributor** 

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