## SIEMENS

## Data sheet

## 3RT2025-1AP00-1AA0



power contactor, AC-3e/AC-3, 17 A, 7.5 kW / 400 V, 3-pole, 230 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0, upright mounting position

product brand name         SIRIUS           product designation         Power contactor           product type designation         3RT2           Genoral technical data	
product type designation       3RT2         General technical data       S0         size of contactor       S0         product extension       No         • function module for communication       No         • auxiliary switch       Yes         power loss [W] for rated value of the current          • at AC in hot operating state       1.8 W         • at AC in hot operating state per pole       0.6 W         • without load current share typical       1.9 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 KV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       7,5g / 5 ms,	
General technical data         size of contactor       S0         product extension       •         • function module for communication       No         • auxiliary switch       Yes         power loss [W] for rated value of the current       •         • at AC in hot operating state       1.8 W         • at AC in hot operating state per pole       0.6 W         • without load current share typical       1.9 W         insulation voltage       •         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       •         • of main circuit rated value       6 kV         • of auxiliary circuit rated value	
size of contactor     S0       product extension <ul> <li>function module for communication</li> <li>auxiliary switch</li> <li>auxiliary switch</li> <li>at AC in hot operating state</li> <li>at AC in hot operating state per pole</li> <li>at AC in hot operating state per pole</li> <li>6 W</li> <li>without load current share typical</li> <li>9 W</li> </ul> insulation voltage <ul> <li>of main circuit with degree of pollution 3 rated value</li> <li>690 V</li> <li>surge voltage resistance</li> <li>of main circuit rated value</li> <li>6 kV</li> <li>of auxiliary circuit rated value</li> <li>6 kV</li> <li>admin contacts according to EN 60947-1</li> <li>shock resistance at rectangular impulse</li> <li>at AC</li> <li>at AC</li> <li>mechanical service life (operating cycles)</li> <li>stat AC</li> <li>stat AC</li></ul>	
product extensionNo• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current• at AC in hot operating state1.8 W• at AC in hot operating state per pole0.6 W• without load current share typical1.9 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value690 V• of main circuit rated value64 kV• of auxiliary circuit rate value61 kV• of auxili	
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• auxiliary switch       Yes         power loss [W] for rated value of the current       1.8 W         • at AC in hot operating state       1.8 W         • at AC in hot operating state per pole       0.6 W         • without load current share typical       1.9 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value<	
power loss [W] for rated value of the current         • at AC in hot operating state       1.8 W         • at AC in hot operating state per pole       0.6 W         • without load current share typical       1.9 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit rated value       690 V         • of main circuit rated value       690 V         • of main circuit rated value       64 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       7,5g / 5 ms, 4,7g / 10 ms         • at AC       7,5g / 5 ms, 7,4g / 10 ms         mechanical service life (operating cycles)       11,8g / 5 ms, 7,4g / 10 ms	
<ul> <li>at AC in hot operating state</li> <li>at AC in hot operating state per pole</li> <li>at AC in hot operating state per per per per per per per per per pe</li></ul>	
• at AC in hot operating state per pole0.6 W• without load current share typical1.9 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit atted value690 V• of main circuit rated value690 V• of main circuit rated value64 V• of main circuit rated value6 kV• of auxiliary circuit rated value7,5g / 5 ms, 4,7g / 10 msshock resistance with sine pulse11,8g / 5 ms, 7,4g / 10 ms• at AC11,8g / 5 ms, 7,4g / 10 ms	
<ul> <li>without load current share typical</li> <li>without load current share typical</li> <li>1.9 W</li> <li>insulation voltage         <ul> <li>of main circuit with degree of pollution 3 rated value</li> <li>690 V</li> <li>690 V</li> </ul> </li> <li>surge voltage resistance         <ul> <li>of main circuit rated value</li> <li>690 V</li> </ul> </li> <li>surge voltage resistance         <ul> <li>of main circuit rated value</li> <li>6 kV</li> <li>of auxiliary circuit rated value</li> <li>6 kV</li> <li>of auxiliary circuit rated value</li> <li>6 kV</li> </ul> </li> <li>maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1</li> <li>shock resistance at rectangular impulse             <ul> <li>oat AC</li> <li>7,5g / 5 ms, 4,7g / 10 ms</li> </ul> </li> <li>shock resistance with sine pulse         <ul> <li>oat AC</li> <li>11,8g / 5 ms, 7,4g / 10 ms</li> </ul> </li> </ul>	
insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       690 V         • of main circuit rated value       690 V         of auxiliary circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         shock resistance at rectangular impulse       400 V         • at AC       7,5g / 5 ms, 4,7g / 10 ms         shock resistance with sine pulse       11,8g / 5 ms, 7,4g / 10 ms         • at AC       11,8g / 5 ms, 7,4g / 10 ms	
• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance690 V• of main circuit rated value6 kV• of auxiliary circuit rated value7,5g / 5 ms, 4,7g / 10 ms• at AC11,8g / 5 ms, 7,4g / 10 ms• at AC11,8g / 5 ms, 7,4g / 10 ms	
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• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse400 V• at AC7,5g / 5 ms, 4,7g / 10 msshock resistance with sine pulse • at AC11,8g / 5 ms, 7,4g / 10 ms	
• 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       400 V         • at AC       7,5g / 5 ms, 4,7g / 10 ms         shock resistance with sine pulse       11,8g / 5 ms, 7,4g / 10 ms         • at AC       11,8g / 5 ms, 7,4g / 10 ms	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse <ul> <li>at AC</li> <li>shock resistance with sine pulse             <ul></ul></li></ul>	
coil and main contacts according to EN 60947-1         shock resistance at rectangular impulse <ul> <li>at AC</li> <li>7,5g / 5 ms, 4,7g / 10 ms</li> </ul> shock resistance with sine pulse <ul> <li>at AC</li> <li>11,8g / 5 ms, 7,4g / 10 ms</li> </ul> mechanical service life (operating cycles)         11,8g / 5 ms, 7,4g / 10 ms	
• at AC     7,5g / 5 ms, 4,7g / 10 ms       shock resistance with sine pulse     11,8g / 5 ms, 7,4g / 10 ms       • at AC     11,8g / 5 ms, 7,4g / 10 ms	
shock resistance with sine pulse     11,8g / 5 ms, 7,4g / 10 ms       • at AC     11,8g / 5 ms, 7,4g / 10 ms	
• at AC 11,8g / 5 ms, 7,4g / 10 ms 11,8g / 5 ms, 7,4g / 10 ms	
mechanical service life (operating cycles)	
of contactor typical     10 000 000	
of the contactor with added electronically optimized 5 000 000 auxiliary switch block typical	
of the contactor with added auxiliary switch block typical     10 000 000	
reference code according to IEC 81346-2 Q	
Substance Prohibitance (Date) 10/01/2009	
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	
relative humidity minimum 10 %	
relative humidity at 55 °C according to IEC 60068-2-30 95 % 95 %	
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
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated	35 A
value	
• at AC-3	
— at 400 V rated value	17 A
— at 500 V rated value	17 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	17 A
— at 500 V rated value	17 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	35.2 A
• at AC-5b up to 400 V rated value	14.1 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	11.4 A
— up to 400 V for current peak value n=20 rated value	11.4 A
— up to 500 V for current peak value n=20 rated value	11.4 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	11.3 A
	7.6 A
<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> </ul>	7.6 A
— up to 500 V for current peak value n=30 rated value	7.6 A
— up to 690 V for current peak value n=30 rated value	7.6 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm <sup>2</sup>
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	7.7 A
at 690 V rated value	7.7 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— 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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— 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	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1 A
— 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
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 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	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
at AC-2 at 400 V rated value	7.5 kW
• at AC-3	
- at 230 V rated value	4 kW
— at 200 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
	11 kW
— at 690 V rated value	
• at AC-3e	4 1001
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC- 4	
at 400 V rated value	3.5 kW
at 690 V rated value	6 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	4.5 kVA
• up to 400 V for current peak value n=20 rated value	7.8 kVA
• up to 500 V for current peak value n=20 rated value	9.9 kVA
• up to 690 V for current peak value n=20 rated value	13.6 kVA
operating apparent power at AC-6a	
operating apparent power at Ao-oa	
<ul> <li>up to 230 V for current neak value n=30 rated value</li> </ul>	3 kVA
<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> </ul>	3 kVA 5 2 kVA
• up to 400 V for current peak value n=30 rated value	5.2 kVA
<ul> <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> </ul>	5.2 kVA 6.6 kVA
<ul> <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> </ul>	5.2 kVA
<ul> <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> </ul>	5.2 kVA 6.6 kVA
<ul> <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>short-time withstand current in cold operating state up to</li> </ul>	5.2 kVA 6.6 kVA
<ul> <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>short-time withstand current in cold operating state up to 40 °C</li> </ul>	5.2 kVA 6.6 kVA 9.1 kVA
<ul> <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>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> </ul>	5.2 kVA 6.6 kVA 9.1 kVA 225 A; Use minimum cross-section acc. to AC-1 rated value 225 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <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>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> </ul>	<ul> <li>5.2 kVA</li> <li>6.6 kVA</li> <li>9.1 kVA</li> <li>225 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>225 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>189 A; Use minimum cross-section acc. to AC-1 rated value</li> </ul>
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<ul> <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>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 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> </ul>	5.2 kVA 6.6 kVA 9.1 kVA 225 A; Use minimum cross-section acc. to AC-1 rated value 225 A; Use minimum cross-section acc. to AC-1 rated value 189 A; Use minimum cross-section acc. to AC-1 rated value 140 A; Use minimum cross-section acc. to AC-1 rated value 115 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h
<ul> <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>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 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> <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 switching at zero current maximum</li> </ul>	5.2 kVA 6.6 kVA 9.1 kVA 225 A; Use minimum cross-section acc. to AC-1 rated value 225 A; Use minimum cross-section acc. to AC-1 rated value 189 A; Use minimum cross-section acc. to AC-1 rated value 140 A; Use minimum cross-section acc. to AC-1 rated value 115 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 1 000 1/h
<ul> <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>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 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> </ul>	5.2 kVA 6.6 kVA 9.1 kVA 225 A; Use minimum cross-section acc. to AC-1 rated value 225 A; Use minimum cross-section acc. to AC-1 rated value 189 A; Use minimum cross-section acc. to AC-1 rated value 140 A; Use minimum cross-section acc. to AC-1 rated value 115 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 1 000 1/h 1 000 1/h
<ul> <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>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 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> <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 switching at zero current maximum</li> </ul>	5.2 kVA 6.6 kVA 9.1 kVA 225 A; Use minimum cross-section acc. to AC-1 rated value 225 A; Use minimum cross-section acc. to AC-1 rated value 189 A; Use minimum cross-section acc. to AC-1 rated value 140 A; Use minimum cross-section acc. to AC-1 rated value 115 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 1 000 1/h

type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	65 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.82
apparent holding power of magnet coil at AC	
• at 50 Hz	7.6 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
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	
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	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	40.4
at 24 V rated value	10 A
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	2 A 2 A
at 50 V rated value     at 110 V rated value	2 A 1 A
at 125 V rated value	0.9 A
at 125 V rated value     at 220 V rated value	0.3 A
at 220 V rated value     at 600 V rated value	0.5 A 0.1 A
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	14 A
• at 600 V rated value	17 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	1 hp
— at 230 V rated value	3 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	15 hp

contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
-			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	aC+ 624 (600)/ 400(4) aM+ 224 (600)/ 400(4) DS99+ 624 (445)/ 90(4)		
<ul> <li>with type of coordination 1 required</li> <li>with type of coordination 2 required</li> </ul>	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)		
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)		
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	standing, on horizontal mounting surface		
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
side-by-side mounting	Yes		
height	85 mm		
width	45 mm		
depth	97 mm		
required spacing			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
<ul> <li>for live parts</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
	screw-type terminals		
type of electrical connection	screw-type terminals screw-type terminals		
type of electrical connection • for main current circuit			
type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals		
<ul> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals		
<ul> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul>	screw-type terminals Screw-type terminals		
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts	screw-type terminals Screw-type terminals Screw-type terminals		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • solid	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • solid         • finely stranded with core end processing         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • solid or stranded         • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - solid or stranded         - finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section	screw-type terminals Screw-type terminals $2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14)		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section         • for main contacts	screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14)		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section         • for main contacts         • for auxiliary c	screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14)		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section         • for main contacts         • for auxiliary c	screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14)		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section         • for main contacts         • for auxiliary contacts         • for auxiliary contacts         Safety related data	screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 16 8 20 14		
type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts         • solid         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing         type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross section         • for main contacts         • for main contacts         • for auxiliary contacts         Safety related data         product function         • mirror contact accor	screw-type terminals         Screw-type terminals         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         1 10 mm²         1 10 mm²         1 10 mm²         0.5 2.5 mm²)         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         2x (20 16), 2x (18 14)         16 8         20 14		

proportion of danger					
	d rate according to SN 3192		40 %		
with high demand rate according to SN 31920			73 %		
failure rate [FIT] with low demand rate according to SN 31920			100 FIT		
T1 value for proof test 61508	interval or service life acco	rding to IEC	20 a		
protection class IP or	n the front according to I	EC 60529	IP20		
•	he front according to IEC	60529	finger-safe, for vertical contact	t from the front	
ertificates/ approvals					
General Product App	proval				
(SP)	<u>Confirmation</u>			KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Co	onformity	Test Certificates	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certificate</u> ate
Marine / Shipping					
ABS	B U REAU VERITAS		Lloyd's Register us	RINA	RMRS
other			Railway	Environment	
Confirmation		<u>Confirmation</u>	<u>Vibration and Shock</u>	Environmental Con- firmations	
urther information					
	I to exit the Russian mark com/global/en/pressrelease		n-russian-business		
Siemens is working of Please contact your loo EAC relevant market (in Information on the pa https://support.industry	on the renewal of the curr cal Siemens office on the s other than the sanctioned E ackaging v.siemens.com/cs/ww/en/vie	ent EAC certificate tatus of validity of the EAEU member states ew/109813875	<b>s.</b> e EAC certification if you inten	d to import or offer to sup	oly these products to ar
	vnloadcenter (Catalogs, E	Brochures,)			
<u>https://www.siemens.c</u> Industry Mall (Online					
	emens.com/mall/en/en/Cata	alog/product?mlfb=3	RT2025-1AP00-1AA0		
Cax online generator			ang-on&mlfb=3PT2025 1AP0		

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2025-1AP00-1AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-1AP00-1AA0

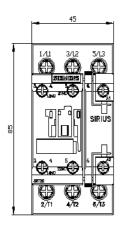
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

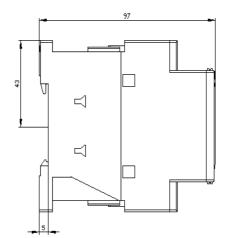
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2025-1AP00-1AA0&lang=en

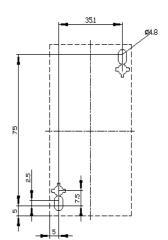
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-1AP00-1AA0/char

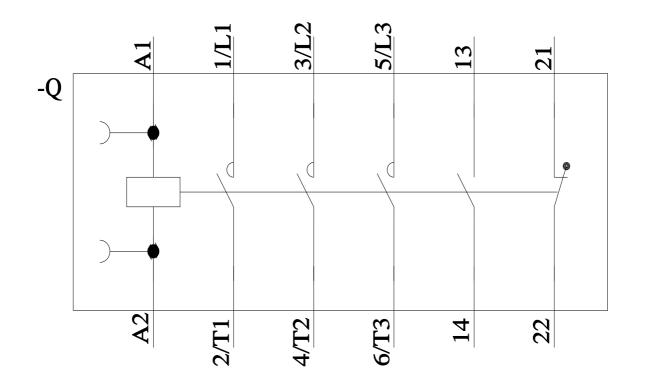
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2025-1AP00-1AA0&objecttype=14&gridview=view1











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