# SIEMENS

#### Data sheet

### 3RT2026-1AL24-3MA0



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S0, captive auxiliary switch, no surge suppressor retrofittable

and ust brand name				
product brand name	SIRIUS			
product designation	Power contactor 3RT2			
product type designation	3R12			
General technical data				
size of contactor	SO			
product extension				
function module for communication	No			
auxiliary switch	No			
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			
<ul> <li>of auxiliary circuit rated value</li> </ul>	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	0.459 kg			
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 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	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A
• 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 value	35 A
• at AC-3	05.4
— at 400 V rated value	25 A
— at 500 V rated value	18 A
<ul> <li>— at 690 V rated value</li> <li>• at AC-3e</li> </ul>	13 A
• at AC-3e — at 400 V rated value	25 A
— at 500 V rated value	25 A 18 A
— at 690 V rated value	13 A
<ul> <li>at 690 v rated value</li> <li>at AC-4 at 400 V rated value</li> </ul>	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
— 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
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	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 mm <sup>2</sup>
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	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— 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	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	25.4
- 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	1A
— 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	2.9 A 1.4 A				
• at 1 current path at DC-3 at DC-5					
— at 24 V rated value	20 A				
— at 60 V rated value	5 A				
— at 220 V rated value	1A				
— 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-3					
— at 230 V rated value	5.5 kW				
— at 400 V rated value	11 kW				
— at 500 V rated value	11 kW				
— at 690 V rated value	11 kW				
• at AC-3e					
— at 230 V rated value	5.5 kW				
— at 400 V rated value	11 kW				
— at 500 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	4.4 kW				
• at 690 V rated value	7.7 kW				
operating apparent power at AC-6a					
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	8 kVA				
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	13.9 kVA				
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	17.4 kVA				
• up to 690 V for current peak value n=20 rated value	15.4 kVA				
operating apparent power at AC-6a					
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	5.3 kVA				
• up to 400 V for current peak value n=30 rated value	9.3 kVA				
• up to 500 V for current peak value n=30 rated value	11.6 kVA				
up to 690 V for current peak value n=30 rated value	15.5 kVA				
short-time withstand current in cold operating state up to 40 °C					
<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 5 s switching at zero current maximum</li> </ul>	300 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	210 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	144 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	118 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	5 000 1/h				

operating frequency					
• at AC-1 maximum	1 000 1/h				
• at AC-2 maximum	750 1/h				
• at AC-3 maximum	750 1/h				
• at AC-3e maximum	750 1/h				
● at AC-4 maximum	250 1/h				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz rated value	230 V				
• at 60 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				
• at 60 Hz	0.85 1.1				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	81 VA				
• at 60 Hz	79 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.72				
• at 60 Hz	0.74				
apparent holding power of magnet coil at AC					
• at 50 Hz	10.5 VA				
• at 60 Hz	8.5 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.25				
• at 60 Hz	0.28				
closing delay					
• at AC	8 40 ms				
opening delay					
• at AC	4 16 ms				
	10 10				
arcing time	10 10 ms				
control version of the switch operating mechanism	10 10 ms Standard A1 - A2				
control version of the switch operating mechanism Auxiliary circuit	Standard A1 - A2				
control version of the switch operating mechanism Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous					
control version of the switch operating mechanism Auxiliary circuit design of the auxiliary switch	Standard A1 - A2 on the front, non-detachable				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous	Standard A1 - A2 on the front, non-detachable 2				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact	Standard A1 - A2 on the front, non-detachable 2 2				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum	Standard A1 - A2 on the front, non-detachable 2 2				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15	Standard A1 - A2 on the front, non-detachable 2 2 10 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value	Standard A1 - A2 on the front, non-detachable 2 2 10 A 6 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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	Standard A1 - A2 on the front, non-detachable 2 2 10 A 6 A 3 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 500 V rated value	Standard A1 - A2 on the front, non-detachable 2 2 10 A 6 A 3 A 2 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value	Standard A1 - A2 on the front, non-detachable 2 2 10 A 6 A 3 A 2 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value	Standard A1 - A2 on the front, non-detachable 2 2 2 10 A 6 A 3 A 2 A 1 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 404 V rated value         • at 404 V rated value	Standard A1 - A2 on the front, non-detachable 2 2 2 10 A 6 A 3 A 2 A 1 A 10 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         1 A         10 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 40 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         1 A         10 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         1 0 A         6 A         3 A         2 A         1 0 A         6 A         3 A         2 A         1 0 A         6 A         3 A         3 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 400 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 40 V rated value         • at 4110 V rated value         • at 125 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A <td< td=""></td<>				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 400 V rated value         • at 24 V rated value         • at 24 V rated value         • at 45 V rated value         • at 400 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 125 V rated value         • at 220 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         1 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 400 V rated value         • at 690 V rated value         • at 400 V rated value         • at 600 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 10 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         1 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 40 V rated value         • at 230 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         6 A         6 A         1 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 48 V rated value         • at 400 V rated value         • at 24 V rated value         • at 25 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO 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 500 V rated value         • at 690 V rated value         • at 400 V rated value         • at 20 V rated value         • at 24 V rated value         • at 10 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         6 A         6 A         6 A         6 A         2 A         6 A         2 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         at 230 V rated value         at 230 V rated value         at 230 V rated value         at 20 V rated value         at 400 V rated value         at 24 V rated value         at 24 V rated value         at 220 V rated value         at 220 V rated value         at 220 V rated value         at 24 V rated value	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         2 A         1 A         0.15 A				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         at 230 V rated value         at 200 V rated value         at 690 V rated value         at 690 V rated value         at 24 V rated value         at 24 V rated value         at 10 V rated value         at 220 V rated value         at 220 V rated value         at 220 V rated value         at 24 V rated value         at 600 V rated value         at 24 V rated value         at 600 V rated value         at 24 V rated value         at 24 V rated value         at 24 V rated value <td< td=""><td>Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         7</td></td<>	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         7				
control version of the switch operating mechanism         Auxiliary circuit         design of the auxiliary switch         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         at 230 V rated value         at 200 V rated value         at 500 V rated value         at 690 V rated value         at 24 V rated value         at 24 V rated value         at 20 V rated value         at 210 V rated value         at 24 V rated value         at 24 V rated value         at 220 V rated value         at 220 V rated value         at 24 V rated value <td c<="" td=""><td>Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         7 A         1 A         0.15 A</td></td>	<td>Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         7 A         1 A         0.15 A</td>	Standard A1 - A2         on the front, non-detachable         2         2         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         10 A         6 A         3 A         2 A         1 A         0 A         6 A         6 A         6 A         6 A         6 A         6 A         6 A         7 A         1 A         0.15 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	21 A				
at 600 V rated value	21 A 22 A				
yielded mechanical performance [hp]					
• for single-phase AC motor					
— at 110/120 V rated value	2 hp				
— at 230 V rated value	3 hp				
<ul> <li>for 3-phase AC motor</li> </ul>					
— at 200/208 V rated value	5 hp				
— at 220/230 V rated value	7.5 hp				
— at 460/480 V rated value	15 hp				
— at 575/600 V rated value	20 hp				
contact rating of auxiliary contacts according to UL	A600 / Q600				
Short-circuit protection					
design of the fuse link					
for short-circuit protection of the main circuit					
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)				
- with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)				
Installation/ mounting/ dimensions					
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and				
	backward by +/- 22.5° on vertical mounting surface				
fastening method side-by-side mounting	Yes				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
height	85 mm				
width	45 mm				
depth	141 mm				
required spacing					
<ul> <li>with side-by-side mounting — forwards</li> </ul>	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	0 mm				
for grounded parts					
— forwards	10 mm				
— upwards	10 mm				
— at the side	6 mm				
— downwards	10 mm				
• for live parts					
— forwards	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	6 mm				
Connections/ Terminals					
type of electrical connection					
for main current circuit	screw-type terminals				
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals				
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals				
of magnet coil	Screw-type terminals				
type of connectable conductor cross-sections					
for main contacts					
— solid	2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )				
— solid or stranded	2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )				
— finely stranded with core end processing	2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>				
for AWG cables for main contacts	2x (16 12), 2x (14 8)				
connectable conductor cross-section for main contacts	1 10 mm <sup>2</sup>				
• solid	1 10 mm <sup>2</sup>				
stranded	1 10 mm²				

finely stranded w	vith core end processing		1 10	mm <sup>2</sup>		
-	or cross-section for aux	iliary contacts	110			
<ul> <li>solid or stranded</li> </ul>		indig contacto	0.5 2	2.5 mm²		
	vith core end processing			2.5 mm²		
	onductor cross-sections	s	0.0 2			
<ul> <li>for auxiliary cont</li> </ul>		-				
— solid or stra			2x (0.5 1.5 mm²), 2x (0.75		2.5 mm²)	
	ded with core end process	sina		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
-	for auxiliary contacts	5		16), 2x (18 14)		
	ed connectable conducto	or cross				
<ul> <li>for main contacts</li> </ul>	5		16 8	16 8		
<ul> <li>for auxiliary containing</li> </ul>	acts		20 14			
Safety related data						
product function						
<ul> <li>mirror contact ac</li> </ul>	cording to IEC 60947-4-1		Yes			
<ul> <li>positively driven</li> </ul>	operation according to IE	C 60947-5-1	No			
<ul> <li>suitable for safet</li> </ul>			Yes			
suitability for use safety	-		Yes			
service life maximum			20 a			
test wear-related serv			Yes			
proportion of dangero						
	I rate according to SN 319	920	40 %			
	d rate according to SN 31		73 %			
	emand rate according to		1 000 0	000		
failure rate [FIT] with 1 31920	low demand rate accord	ing to SN	100 FIT			
ISO 13849						
device type according	g to ISO 13849-1		3			
overdimensioning acc	cording to ISO 13849-2 n	necessary	Yes			
IEC 61508						
safety device type acc	safety device type according to IEC 61508-2		Туре А			
Electrical Safety						
protection class IP on the front according to IEC 60529		IP20				
touch protection on the	he front according to IEC	C 60529	finger-safe, for vertical contact from the front			
Approvals Certificates						
General Product App	roval					
	CE EG-Konf.	UK CA		<u>Confirmation</u>	(h)	KC
	EG-KONT.				UL.	
General Product Approval	EMV	Test Certificate	es		Marine / Shipping	
EHC	RCM	<u>Special Test Ce</u> <u>ate</u>	<u>ertific-</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	B U R E A U VER ITAS
Marine / Shipping					other	
	Lloyds Register uis	() RINA		KMRS RMRS	<u>Miscellaneous</u>	<u>Confirmation</u>
other	Railway	Environment				



Special Test Certificate



Environmental Confirmations

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=3RT2026-1AL24-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AL24-3MA0

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

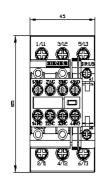
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL24-3MA0

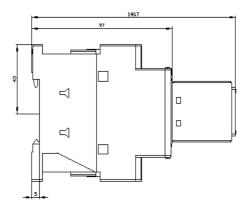
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AL24-3MA0&lang=en

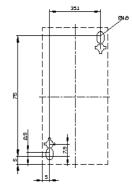
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

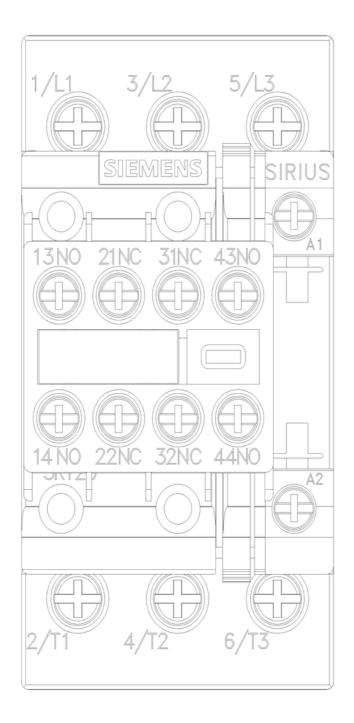
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL24-3MA0/char

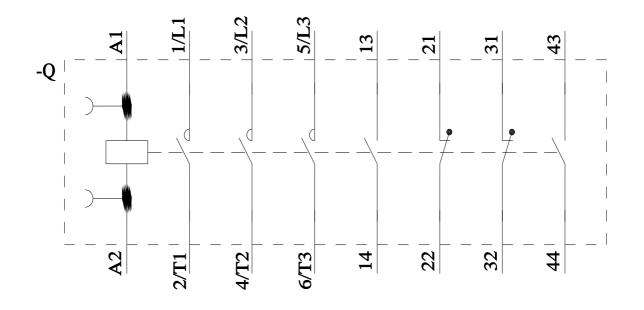
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AL24-3MA0&objecttype=14&gridview=view1











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