## SIEMENS

## Data sheet

## 3RT2526-1BW40



Power contactor, AC-3 25 A, 11 kW / 400 V 2 NO + 2 NC 48 V DC 4-pole size S0 screw terminals 1 NO + 1 NC integrated

product brand name	SIRIUS
product designation	contactor
product type designation	3RT25
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
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 safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	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 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	2

operational current         40 A           - at ambient temperature 40 °C rated value         40 A           - at ambient temperature 60 °C rated value         40 A           - at ambient temperature 60 °C rated value         20 A           - per NC contact rated value         20 A           - per NC contact rated value         20 A           - minimum cross-section in man circuit at maximum AC-1         10 mm²           - at 24 V rated value         10 A           - at 124 V rated value         10 A           - at 24 V rated value         10 A           - at 24 V park V rated value         10 A           - at 24 V park V rated value         10 A           - at 24 V park V rated value         10 A           - at 110 V rated value         10 A           - at 124 V park V contact rated value         10 A           - at 124 V park V contact rated value         10 A           - at 120 V park V contact rated value         10 A           - at 120 V park C contact rated value         10 A	number of NC contacts for main contacts	2
• at AC-1 up to 680 V       40 A         - at ambient temperature 60 °C rated value       35 A         • at AC-2 at AC-3 at 400 V       25 A         - per NC contact rated value       20 A         infinum cross-section in main circuit at maximum AC-1       10 mm²         • at 1 current path at DC-1		
	•	
	•	40 A
• al AC-2 al AC-3 al 400 V       — per INC contact rated value     25 A       — per INC contact rated value     20 A       • operational current     10 mm²       • al 10 current path al DC-1     -       • al 12 V rated value     35 A       • al 12 V rated value     4.5 A       • al 12 V rated value     10 A       • al 12 V rated value     10 A       • al 12 V rated value     35 A       • al 24 V rated value     35 A       • al 24 V rated value     35 A       • al 10 V rated value     35 A       • al 10 V rated value     35 A       • al 10 V rated value     35 A       • al 24 V rated value     20 A       • al 12 V rated value     10 A       • al 10 V rated value     10 A       • al 10 V per NC contact rated value     125 A       • al 10 V per NC contact rated value     125 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value     10 A       • al 24 V per NC contact rated value		35 A
- per NC contact rated value         20 A           rated value         10 mm²           operational current         10 mm²           - at 24 V rated value         35 A           - at 120 V rated value         1A           - at 220 V rated value         0 AA           - at 240 V rated value         0 AA           - at 240 V rated value         0 AA           - at 240 V rated value         35 A           - at 240 V rated value         20 A           - at 240 V rated value         20 A           - at 240 V per NC contact rated value         20 A           - at 240 V per NC contact rated value         20 A           - at 240 V per NC contact rated value         20 A           - at 240 V per NC contact rated value         0.5 A           - at 240 V per NC contact rated value         0.5 A           - at 240 V per NC contact rated value         0.5 A           - at 240 V per NC contact rated value         0.5 A           - at 240 V per NC contact rated value         15		
Initian cross-section in main circuit at maximum AC-1         10 mm²           related value         141 current path at DC-1	— per NO contact rated value	25 A
reted value         operational current           - at 24 virated value         35 A           - at 22 virated value         4.5 A           - at 220 virated value         1 A           - at 220 virated value         0.4 A           - at 240 virated value         35 A           - at 240 virated value         5 A           - at 240 virated value         5 A           - at 240 virated value         20 A           <	— per NC contact rated value	20 A
• alt 1 current path at 0C-1         56 A           - alt 24 V rated value         4.5 A           - alt 20 V rated value         1A           - alt 24 V rated value         0.4 A           • with 2 current paths in series at 0C-1         56 A           - alt 24 V rated value         35 A           - alt 24 V per NC contact rated value         20 A           - alt 24 V per NC contact rated value         20 A           - alt 24 V per NC contact rated value         20 A           - alt 24 V per NC contact rated value         25 A           - alt 24 V per NC contact rated value         25 A           - alt 24 V per NC contact rated value         25 A           - alt 24 V per NC contact rated value         0.045 A           - alt 24 V per NC contact rated value         35 A           - alt 24 V per NC contact rated value         35 A           - alt 24 V per NC contact rated value         35 A           - alt 24 V per NC contact rated value         35 A           - alt 24 V per NC contact rated value         35 A           - alt 20 V per NC contact rated va		10 mm <sup>2</sup>
- al 24 V rated value     35 Å       - al 110 V rated value     4.5 Å       - al 240 V rated value     1 Å       - al 440 V rated value     35 Å       - al 22 V rated value     35 Å       - al 22 V rated value     5 Å       - al 22 V rated value     5 Å       - al 240 V rated value     20 Å       - al 240 V per NC contact rated value     20 Å       - al 110 V per NC contact rated value     20 Å       - al 110 V per NC contact rated value     2.5 Å       - al 110 V per NC contact rated value     2.5 Å       - al 240 V per NC contact rated value     0.5 Å       - al 240 V per NC contact rated value     0.5 Å       - al 240 V per NC contact rated value     0.09 Å       - al 240 V per NC contact rated value     0.09 Å       - al 240 V per NC contact rated value     0.09 Å       - al 240 V per NC contact rated value     15 Å       - al 240 V per NC contact rated value     15 Å       - al 240 V per NC contact rated value     15 Å       - al 240 V per NC contact rated value     15 Å       - al 240 V per NC contact rated value     15 Å       - al 230 V per NC contact rated value     15 Å       - al 230	operational current	
- at 110 V rated value     4.5 A       - at 220 V rated value     0.4 A       - at 24 V rated value     35 A       - at 24 V rated value     35 A       - at 24 V rated value     55 A       - at 24 V rated value     50 A       - at 24 V rated value     50 A       - at 24 V per NC contact rated value     20 A       - at 24 V per NC contact rated value     20 A       - at 24 V per NC contact rated value     20 A       - at 24 V per NC contact rated value     20 A       - at 110 V per NC contact rated value     20 A       - at 110 V per NC contact rated value     25 A       - at 24 V per NC contact rated value     25 A       - at 20 V per NC contact rated value     25 A       - at 20 V per NC contact rated value     0.045 A       - at 24 V per NC contact rated value     0.045 A       - at 24 V per NC contact rated value     55 A       - at 24 V per NC contact rated value     15 A       - at 24 V per NC contact rated value     15 A       - at 24 V per NC contact rated value     15 A       - at 24 V per NC contact rated value     15 A       - at 24 V per NC contact rated value     15 A       - at 24 V per NC contact rated value     15 A       - at 240 V per NC contact rated value     15 A       - at 240 V per NC contact rated value	<ul> <li>at 1 current path at DC-1</li> </ul>	
- al 220 V rated value     1 A       - al 440 V rated value     0.4 A       - al 424 V rated value     35 A       - al 24 V rated value     35 A       - al 10 V rated value     5 A       - al 420 V rated value     20 A       - al 420 V per NC contact rated value     20 A       - al 24 V per NC contact rated value     25 A       - al 110 V per NC contact rated value     25 A       - al 220 V per NC contact rated value     25 A       - al 220 V per NC contact rated value     25 A       - al 220 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     0.64 A       - al 420 V per NC contact rated value     15 A       - al 420 V per NC contact rated value     15 A       - al 220 V per NC contact rated value     0.27 A       - al 230 V per NC contact rated value     0.27 A       - al 440 V per NC contact rated value     15 A       - al 420 V per NC contact rated value     15 A	— at 24 V rated value	35 A
	— at 110 V rated value	4.5 A
• with 2 current paths in series at DC-1SA- at 24 V rated value35 A- at 220 V rated value35 A- at 220 V rated value5 A- at 240 V rated value1 A- at 24 V per NC contact rated value20 A- at 24 V per NC contact rated value20 A- at 24 V per NC contact rated value25 A- at 24 V per NC contact rated value25 A- at 240 V per NC contact rated value0.5 A- at 240 V per NC contact rated value0.5 A- at 220 V per NC contact rated value0.6 A- at 240 V per NC contact rated value0.6 A- at 240 V per NC contact rated value0.6 A- at 240 V per NC contact rated value0.6 A- at 240 V per NC contact rated value0.6 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value15 A- at 220 V per NC contact rated value15 A- at 220 V per NC contact rated value35 A- at 220 V per NC contact rated value35 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value35 A- at 240 V per NC contact rated value36 A- at 240 V per NC contact rated value36 A- at 240 V per NC contact rated value36 A- at 240 V per NC contact rated value36 A- at 440 V per NC contact rated value36	— at 220 V rated value	1 A
- al 24 V rated value     35 Å       - al 110 V rated value     35 Å       - al 24 V prated value     5 Å       - al 24 V part All ovalue     1 Å       - al 24 V part NC contact rated value     20 Å       - al 24 V part NC contact rated value     20 Å       - al 24 V part NC contact rated value     25 Å       - al 20 V part NC contact rated value     25 Å       - al 200 V part NC contact rated value     1.8       - al 200 V part NC contact rated value     0.45 Å       - al 200 V part NC contact rated value     0.45 Å       - al 240 V part NC contact rated value     0.45 Å       - al 240 V part NC contact rated value     0.45 Å       - al 240 V part NC contact rated value     35 Å       - al 240 V part NC contact rated value     35 Å       - al 240 V part NC contact rated value     35 Å       - al 240 V part NC contact rated value     15 Å       - al 210 V part NC contact rated value     15 Å       - al 220 V part NC contact rated value     15 Å       - al 220 V part NC contact rated value     15 Å       - al 220 V part NC contact rated value     15 Å       - al 240 V part NC contact rated value     15 Å       - al 240 V part NC contact rated value     15 Å       - al 240 V part NC contact rated value     15 Å       - al 240 V par NC contact rated value <td< td=""><td>— at 440 V rated value</td><td>0.4 A</td></td<>	— at 440 V rated value	0.4 A
- at 110 V rated value35 Å- at 220 V rated value5 Å- at 24 V p rated value1 Å- at 24 V per NC contact rated value20 Å- at 24 V per NC contact rated value20 Å- at 110 V per NC contact rated value20 Å- at 120 V per NC contact rated value25 Å- at 220 V per NC contact rated value0.5 Å- at 220 V per NC contact rated value0.44 Å- at 220 V per NC contact rated value0.45 Å- at 220 V per NC contact rated value0.45 Å- at 440 V per NC contact rated value0.45 Å- at 440 V per NC contact rated value0.45 Å- at 440 V per NC contact rated value0.45 Å- at 24 V per NC contact rated value55 Å- at 24 V per NC contact rated value55 Å- at 24 V per NC contact rated value55 Å- at 24 V per NC contact rated value55 Å- at 110 V per NC contact rated value15 Å- at 220 V per NC contact rated value15 Å- at 220 V per NC contact rated value1.35 Å- at 220 V per NC contact rated value0.47 Å- at 230 V per NC contact rated value5.5 kW- at 230 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320 V per NC contact rated value5.5 kW• at 320	<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
- al 220 V rated value5 Å- al 240 V rated value1A• at 1 current path at DC 34 DC-520 Å- al 244 V per NC contact rated value20 Å- al 24 V per NC contact rated value1.25 Å- al 110 V per NC contact rated value2.5 Å- al 220 V per NC contact rated value1.25 Å- al 220 V per NC contact rated value0.045 Å- al 220 V per NC contact rated value0.045 Å- al 240 V per NC contact rated value0.045 Å- al 240 V per NC contact rated value0.045 Å- al 240 V per NC contact rated value0.045 Å- al 240 V per NC contact rated value0.045 Å- al 240 V per NC contact rated value35 Å- al 240 V per NC contact rated value7.5 Å- al 220 V per NC contact rated value1.5 Å- al 220 V per NC contact rated value1.5 Å- al 220 V per NC contact rated value0.27 Å- al 220 V per NC contact rated value0.27 Å- al 220 V per NC contact rated value5.5 kW- al 230 V per NC contact rated value5.5 kW- al 240 V per NC contact rated value11 kW+ alt 200 V per NC contact rated value200 Å; Use minimum cross-section acc. to AC-1 rated value- alt 240 V per NC contact rated value200 Å; Use minimum cross-section acc. to AC-1 rated value- alt 240 V per NC contact rated value200 Å; Use minimum cross-section acc. to AC-1 rated value- alt 400 V per NC contact rated value200 Å; Use minimum cross-section acc. to AC-1 rated value- alt 400 V per NC contact rated value20	— at 24 V rated value	35 A
at 440 V rated value1 A• at 1 current path at DC-3 at DC-50.0 at 24 V per NC contact rated value20.0 at 24 V per NC contact rated value20.0 at 110 V per NC contact rated value25.0 at 120 V per NC contact rated value25.0 at 220 V per NC contact rated value0.5.0 at 220 V per NC contact rated value0.045.0 at 240 V per NC contact rated value0.045.0 at 440 V per NC contact rated value0.09.0 at 440 V per NC contact rated value0.09.0 at 24 V per NC contact rated value35.0 at 24 V per NC contact rated value35.0 at 24 V per NC contact rated value35.0 at 220 V per NC contact rated value35.0 at 220 V per NC contact rated value35.0 at 220 V per NC contact rated value15.0 at 220 V per NC contact rated value15.0 at 220 V per NC contact rated value15.0 at 220 V per NC contact rated value20.0 A at 220 V per NC contact rated value15.0 at 220 V per NC contact rated value15.0 at 220 V per NC contact rated value20.0 A at 220 V per NC contact rated value20.0 A at 230 V per NC contact rated value5.5 kW at 230 V per NC contact rated value5.5 kW at 240 V per NC contact rated value5.5 kW at 240 V per NC contact rated value5.5 kW at 230 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated	— at 110 V rated value	35 A
• et 1 current path at DC-3 at DC-5V- at 24 V per NC contact rated value20 A- at 24 V per NC contact rated value20 A- at 110 V per NC contact rated value1.25 A- at 110 V per NC contact rated value2.5 A- at 220 V per NC contact rated value0.5 A- at 220 V per NC contact rated value0.09 A- at 240 V per NC contact rated value0.09 A- at 240 V per NC contact rated value0.09 A- at 24 V per NC contact rated value5 A- at 24 V per NC contact rated value5 A- at 24 V per NC contact rated value5 A- at 24 V per NC contact rated value5 A- at 24 V per NC contact rated value5 A- at 220 V per NC contact rated value1.5 A- at 220 V per NC contact rated value1.5 A- at 220 V per NC contact rated value0.27 A- at 220 V per NC contact rated value0.27 A- at 240 V per NC contact rated value0.27 A- at 240 V per NC contact rated value0.27 A- at 200 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value- at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value- at 400 V per NC contact rated value200 A; Use minimum cross-sect	— at 220 V rated value	5 A
	— at 440 V rated value	1 A
	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
at 110 V per NC contact rated value1.25 Å at 110 V per NC contact rated value2.5 Å at 220 V per NC contact rated value0.5 Å at 220 V per NC contact rated value1.4 at 440 V per NC contact rated value0.045 Å at 440 V per NC contact rated value0.09 Å at 24 V per NC contact rated value0.09 Å at 24 V per NC contact rated value35 Å at 24 V per NC contact rated value35 Å at 24 V per NC contact rated value35 Å at 220 V per NC contact rated value1.5 Å at 220 V per NC contact rated value1.5 Å at 220 V per NC contact rated value0.07 Å at 220 V per NC contact rated value0.135 Å at 440 V per NC contact rated value0.27 Å at 440 V per NC contact rated value5.5 kW at 420 V per NC contact rated value5.5 kW at 420 V per NC contact rated value5.5 kW at 440 V per NC contact rated value5.5 kW at 440 V per NC contact rated value5.5 kW at 440 V per NC contact rated value5.5 kW at 440 V per NC contact rated value5.5 kW at 440 V per NC contact rated value5.5 kW at 400 V per NC contact rated value5.5 kW at 400 V per NC contact rated value7.5 kW at 400 V per NC contact rated value11 kW at 400 V per NC contact rated value200 Å, Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 Å, Use minimum cross-sectio	— at 24 V per NC contact rated value	20 A
	— at 24 V per NO contact rated value	20 A
	— at 110 V per NC contact rated value	1.25 A
at 220 V per NC contact rated value1 A at 440 V per NC contact rated value0.045 A at 440 V per NC contact rated value0.09 A at 24 V per NC contact rated value35 A at 24 V per NC contact rated value35 A at 24 V per NC contact rated value7.5 A at 110 V per NC contact rated value15 A at 220 V per NC contact rated value1.5 A at 220 V per NC contact rated value0.135 A at 220 V per NC contact rated value0.135 A at 220 V per NC contact rated value0.135 A at 220 V per NC contact rated value0.27 A at 230 V per NC contact rated value5.5 kW at 230 V per NC contact rated value5.5 kW at 230 V per NC contact rated value1.1 kW at 400 V per NC contact rated value7.5 kW at 230 V per NC contact rated value2.00 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value at 400 V per NC contact rated value16	— at 110 V per NO contact rated value	2.5 A
al 440 V per NC contact rated value0.045 A al 440 V per NC contact rated value0.09 A• with 2 current paths in series at DC-3 at DC-355 A al 24 V per NC contact rated value35 A al 24 V per NC contact rated value35 A al 110 V per NC contact rated value15 A al 110 V per NC contact rated value15 A al 220 V per NC contact rated value15 A al 220 V per NC contact rated value3 A al 440 V per NC contact rated value0.135 A al 440 V per NC contact rated value0.135 A al 440 V per NC contact rated value0.27 Aoperating power at AC-2 at AC-3	— at 220 V per NC contact rated value	0.5 A
at 440 V per NO contact rated value0.09 A• with 2 current paths in series at DC-3 at DC-5 at 24 V per NC contact rated value35 A at 24 V per NO contact rated value55 A at 110 V per NC contact rated value15 A at 110 V per NC contact rated value15 A at 220 V per NC contact rated value15 A at 220 V per NC contact rated value3 A at 440 V per NC contact rated value0.135 A at 440 V per NC contact rated value0.27 Aoperating power at AC-3 at AC-3	•	1 A
• with 2 current paths in series at DC-3 at DC-535 A at 24 V per NC contact rated value35 A at 24 V per NC contact rated value35 A at 110 V per NC contact rated value15 A at 110 V per NC contact rated value15 A at 220 V per NC contact rated value15 A at 220 V per NC contact rated value0.135 A at 240 V per NC contact rated value0.135 A at 240 V per NC contact rated value0.27 Aoperating power at AC-2 at AC-35.5 kW• at 230 V per NC contact rated value5.5 kW• at 230 V per NC contact rated value5.5 kW• at 230 V per NC contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value200 A, Use minimum cross-section acc. to AC-1 rated value• binitied to 1s switching at zero current maximum128 A, Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 s000 1/h <td>— at 440 V per NC contact rated value</td> <td>0.045 A</td>	— at 440 V per NC contact rated value	0.045 A
at 24 V per NC contact rated value35 A at 24 V per NO contact rated value35 A at 110 V per NC contact rated value7.5 A at 110 V per NC contact rated value15 A at 220 V per NC contact rated value1.5 A at 220 V per NC contact rated value3 A at 440 V per NC contact rated value0.135 A at 440 V per NC contact rated value0.27 Aoperating power at AC-2 at AC-35.5 kW- at 420 V per NC contact rated value5.5 kW- at 230 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value5.5 kW- at 400 V per NC contact rated value11 kW- at 400 V per NC contact rated value12 A/L V V- at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value- at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value- at 400 V per NC contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value- at 400 V per NC contact rated value128 A; Use minimum cross-section acc. to AC-1 rated value- illimited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value- illimited to 60 s switching at zero current maximum16 A; Use minimum cross-section acc. to AC-1 rated value- is tAC- at AC- at AC- at AC- at AC- at AC- at AC- boo 1/h-	— at 440 V per NO contact rated value	0.09 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
at 110 V per NC contact rated value7.5 A at 110 V per NO contact rated value15 A at 220 V per NC contact rated value1.5 A at 220 V per NO contact rated value3 A at 440 V per NC contact rated value0.135 A at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-3	— at 24 V per NC contact rated value	35 A
- at 110 V per NO contact rated value15 A- at 220 V per NC contact rated value3 A- at 220 V per NC contact rated value3 A- at 440 V per NO contact rated value0.135 A- at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-35.5 kW• at 230 V per NC contact rated value5.5 kW• at 230 V per NC contact rated value5.5 kW• at 400 V per NO contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum108 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at ACat AO V for rated value of the operating frequency• at AC5 000 1/h• at AC1000 1/h• at AC-1 maximum1000 1/hControl circuit/ ControlDC	— at 24 V per NO contact rated value	
- at 220 V per NC contact rated value1.5 A- at 220 V per NO contact rated value3 A- at 440 V per NC contact rated value0.135 A- at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-3-• at 230 V per NC contact rated value5.5 kW• at 230 V per NC contact rated value5.5 kW• at 400 V per NC contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value11 kW• at 400 V per NO contact rated value11 kW• at 400 V per NO contact rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 6 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h	— at 110 V per NC contact rated value	7.5 A
- at 220 V per NO contact rated value3 A- at 440 V per NC contact rated value0.135 A- at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-3-• at 230 V per NC contact rated value5.5 kW• at 230 V per NC contact rated value5.5 kW• at 400 V per NC contact rated value11 kW• at 400 V per NO contact rated value11 kW• at 400 V per NO contact rated value100 A; Use minimum cross-section acc. to AC-1 rated value• imited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC5 000 1/h• at AC5 000 1/h• at AC1 000 1/h• at AC-1 maximum1 000 1/h• tottol circuit/ ControlDC		
at 440 V per NC contact rated value0.135 A at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-3	•	
at 440 V per NO contact rated value0.27 Aoperating power at AC-2 at AC-35.5 kW• at 230 V per NC contact rated value5.5 kW• at 230 V per NO contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NC contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• 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 • 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 • 106 A; Use minimum cross-section acc. to AC-1 rated valuepower loss [W] at AC-3 at 400 V for rated value of the operational current per conductor • at AC • at AC5 000 1/h • 1 500 1/h• at AC • at AC5 000 1/h • 1 500 1/h• at AC • at AC-1 maximum1 000 1/h• at AC-1 maximum • at AC-1 maximum1 000 1/h• at AC-1 maximum • at AC-1 maximum0 C<		
operating power at AC-2 at AC-35.5 kW• at 230 V per NC contact rated value5.5 kW• at 230 V per NO contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• operational current per conductor1.6 W• at AC5 000 1/h• at AC5 000 1/h• at AC1 500 1/h• at AC1 000 1/h• control circuit/ Control1 000 1/h• type of voltage of the control supply voltageDC	•	
• at 230 V per NC contact rated value5.5 kW• at 230 V per NO contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency1.6 W• at AC5 000 1/h• at AC5 000 1/h• at AC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximumDC		0.27 A
• at 230 V per NO contact rated value5.5 kW• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency1.6 W• at AC5 000 1/h• at AC5 000 1/h• at AC5 000 1/h• at AC1 500 1/h• at AC-1 maximum1 000 1/h• at AC		
• at 400 V per NC contact rated value7.5 kW• at 400 V per NO contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency1.6 W• at AC5 000 1/h• at AC5 000 1/h• at AC1 500 1/h• at AC-1 maximum1 000 1/h <td></td> <td></td>		
• at 400 V per NO contact rated value11 kWshort-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• 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 second current sec		
short-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value <ul><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 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>loo A; Use minimum cross-section acc. to AC-1 rated value</li><li>106 A; Use minimum cross-section acc. to AC-1 rated value</li><li>106 A; Use minimum cross-section acc. to AC-1 rated value</li><li>line AC-3 at 400 V for rated value of the operational current per conductor</li><li>at AC</li><li>at AC</li><li>at AC</li><li>box 1/h</li><li>control circuit/ Control</li><li>to 00 1/h</li><li>to 00 1/h</li></ul>	•	
up to 40 °C• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor1.6 W• at AC • at AC • at AC5 000 1/h• at AC • at AC-1 maximum5 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximumDC		
• limited to 5 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor1.6 W• at AC5 000 1/h• at AC5 000 1/h• at AC1 500 1/h• at AC-1 maximum1000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximumDC	up to 40 °C	
<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>lo6 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>100 1/h</li> <li>1000 1/h</li> <li>1000 1/h</li> <li>1000 1/h</li> <li>100 1/</li></ul>	-	
• limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated valuepower loss [W] at AC-3 at 400 V for rated value of the operational current per conductor1.6 Wno-load switching frequency • at AC • at DC5 000 1/hoperating frequency • at AC-1 maximum1 500 1/hoperating frequency • at AC-1 maximum1 000 1/htype of voltage of the control supply voltageDC	-	
• limited to 60 s switching at zero current maximum       106 A; Use minimum cross-section acc. to AC-1 rated value         power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor       1.6 W         no-load switching frequency       -         • at AC       5 000 1/h         • at DC       1 500 1/h         operating frequency       -         • at AC-1 maximum       1 000 1/h         Control circuit/ Control       DC         type of voltage of the control supply voltage       DC	-	
power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor       1.6 W         no-load switching frequency       5 000 1/h         • at AC       5 000 1/h         • at DC       1 500 1/h         operating frequency       1 500 1/h         • at AC-1 maximum       1 000 1/h         Control circuit/ Control       DC         type of voltage of the control supply voltage       DC	-	
operational current per conductor       no-load switching frequency       • at AC       • at DC       0 perating frequency       • at AC-1 maximum       1 000 1/h         Control circuit/ Control       type of voltage of the control supply voltage   DC		
• at AC       5 000 1/h         • at DC       1 500 1/h         operating frequency       1 500 1/h         • at AC-1 maximum       1 000 1/h         Control circuit/ Control       1 000 1/h         type of voltage of the control supply voltage       DC		1.0 VV
• at DC     1 500 1/h       operating frequency     -       • at AC-1 maximum     1 000 1/h       Control circuit/ Control     -       type of voltage of the control supply voltage     DC	no-load switching frequency	
operating frequency     1 000 1/h       • at AC-1 maximum     1 000 1/h       Control circuit/ Control     DC	• at AC	5 000 1/h
• at AC-1 maximum 1 000 1/h Control circuit/ Control type of voltage of the control supply voltage DC	• at DC	1 500 1/h
Control circuit/ Control type of voltage of the control supply voltage DC	operating frequency	
type of voltage of the control supply voltage DC	• at AC-1 maximum	1 000 1/h
	Control circuit/ Control	
control supply voltage at DC	type of voltage of the control supply voltage	DC
	control supply voltage at DC	

rated value	48 V		
operating range factor control supply voltage rated			
value of magnet coil at DC			
initial value	0.8		
• full-scale value	1.1		
closing power of magnet coil at DC	5.9 W		
holding power of magnet coil at DC	5.9 W		
closing delay			
at DC	50 170 ms		
opening delay			
• at DC	15 18 ms		
arcing time	10 10 ms		
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 24 V rated value	6 A		
at 40 V rated value     at 60 V rated value	6 A		
at 50 V rated value     at 110 V rated value	3 A		
at 125 V rated value	2 A		
at 125 V rated value     at 220 V rated value	1 A		
at 600 V rated value	0.15 A		
operational current at DC-13	10 A		
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>			
	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		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
yielded mechanical performance [hp]			
<ul> <li>for single-phase AC motor at 230 V rated value</li> </ul>	3 hp		
• for 3-phase AC motor at 460/480 V rated value	15 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
— with type of coordination 1 required	gG: 63 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 35 A (690 V, 50 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	fuse gG: 10 A		
required			
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	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022		
<ul> <li>side-by-side mounting</li> </ul>	Yes		
height	85 mm		
width	61 mm		
depth	107 mm		
*****			

required spacing     with side-by-side mounting			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	0 mm		
— backwards	0 mm		
— upwards (	0 mm		
— downwards	0 mm		
— at the side	0 mm		
for grounded parts			
— forwards	0 mm		
— backwards (	0 mm		
— upwards (	0 mm		
— at the side	6 mm		
— downwards	0 mm		
for live parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— downwards	0 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
	screw-type terminals		
type of connectable conductor cross-sections	Screw-type terminals		
for main contacts			
	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)		
type of connectable conductor cross-sections			
for auxiliary contacts	$2x (0.5 - 1.5 mm^2) 2x (0.75 - 2.5 mm^2)$		
	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 (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
	2x (20 16), 2x (18 14)		
AWG number as coded connectable conductor cross section for main contacts	16 8		
Safety related data			
product function	Vez		
	Yes		
positively driven operation according to IEC 60947-     5-1	No		
	20 у		
	IP20		
	finger-safe, for vertical contact from the front		
Certificates/ approvals			
General Product Approval	EMC		
	-		
Confirmation			
	UL RCM		
CSA CCC			
Functional Safety/Safety of Declaration of Conformity	Test Certificates Marine / Shipping		

Subject to change without notice © Copyright Siemens

<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS
Marine / Shipping					other
B U R E A U VERITAS		Lloyd's Register us	RINA	RMRS	<u>Confirmation</u>
other	Dangerous Good				
VDE	<u>Transport Informa-</u> tion				

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2526-1BW40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2526-1BW40

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

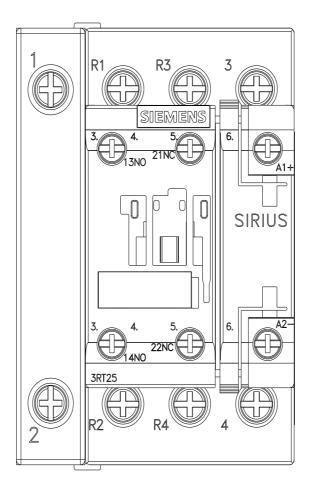
https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-1BW40

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2526-1BW40&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-1BW40/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2526-1BW40&objecttype=14&gridview=view1



last modified:

12/1/2021 🖸