## **SIEMENS**

Data sheet 3RT2035-1SF30



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 83-150 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NC, screw terminal, size: S2, F-PLC-IN

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT2	
General technical data		
size of contactor	S2	
product extension		
<ul> <li>function module for communication</li> </ul>	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
<ul> <li>at AC in hot operating state</li> </ul>	6.6 W	
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.2 W	
without load current share typical	1.6 W	
insulation voltage		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V	
of auxiliary 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	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	7.7g / 5 ms, 4.5g / 10 ms	
• at DC	7.7g / 5 ms, 4.5g / 10 ms	
shock resistance with sine pulse		
• at AC	12g / 5 ms, 7g / 10 ms	
• at DC	12g / 5 ms, 7g / 10 ms	
mechanical service life (operating cycles)		
of contactor typical	5 000 000	
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000	
of the contactor with added auxiliary switch block typical	5 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	01/29/2021	
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +60 °C	

Intelligent Number of poles for main current circuit   Some of No.	during storage	-55 +80 °C
maximum   maximum   mumber of poles for main current circuit   5		10 %
number of Poles for main current circuit   3   3   3   3   3   3   3   3   3		95 %
Description of NO contacts for main contacts	Main circuit	
■ at AC-3 rated value maximum	number of poles for main current circuit	3
* at AC-3e rated value maximum * at AC-3e rated value maximum * at AC-3e rated value maximum * at AC-1 at 400 V at ambient temperature 40 "C rated value * at AC-1	number of NO contacts for main contacts	3
• at AC-2e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  — up to 680 V at ambient temperature 40 °C rated value — up to 680 V at ambient temperature 80 °C rated value — up to 680 V at ambient temperature 80 °C rated value — up to 680 V at ambient temperature 80 °C rated value — at 500 V rated value — at 400 V rated value — at 500 V rated value — at 400 V rated value — at 600 V rated value — at 1600 V rated value — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — at 100 V rated value	operating voltage	
Section   Current	• at AC-3 rated value maximum	690 V
at AC-1 at 400 V at ambient temperature 40 °C rated value     at AC-1     — up to 690 V at ambient temperature 80 °C rated value     — up to 690 V at ambient temperature 80 °C rated value     — up to 690 V at ambient temperature 80 °C rated value     — up to 690 V at ambient temperature 80 °C rated value     at 600 V rated value     at AC-3a     at AC-5a up to 690 V rated value     at AC-5a up to 690 V rated value     at AC-6a up to 690 V rated value     at AC-6a up to 690 V for current peak value n=20 rated value     — up to 200 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — at 600 V rated value	• at AC-3e rated value maximum	690 V
• at AC-1         —up to 590 V at ambient temperature 40 °C rated value         690 A           —up to 690 V at ambient temperature 60 °C rated value         55 A           • at AC-3         —at 400 V rated value         41 A           —at 500 V rated value         41 A           —at 690 V rated value         41 A           • at AC-3e         —at 400 V rated value         41 A           —at 500 V rated value         41 A           —at 600 V rated value         41 A           • at AC-3e         —at 600 V rated value         24 A           • at AC-3e up to 690 V rated value         24 A           • at AC-5e up to 400 V rated value         52 8 A           • at AC-5e up to 400 V rated value         52 8 A           • at AC-5e up to 400 V rated value         33 2 A           • at AC-6e up to 400 V for current peak value n=20 rated value         36 5 A           —up to 400 V for current peak value n=20 rated value         36 5 A           —up to 500 V for current peak value n=20 rated value         24 A           • at AC-6e         —up to 500 V for current peak value n=30 rated value         24 A           • at AC-6e         —up to 500 V for current peak value n=30 rated value         24 A           • at AC-4e         •at 400 V rated value         24 A           • at 600 V rated	operational current	
		60 A
value  — up to 690 V at ambient temperature 60 °C rated value  • at AC-3  — at 400 V rated value — at 690 V rated value • at 690 V rated value  • at 690 V rated value  — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at AC-5a up to 690 V rated value • at AC-5a up to 690 V rated value — up to 230 V for current peak value =20 rated value — up to 500 V for current peak value =20 rated value — up to 500 V for current peak value =20 rated value — up to 690 V for current peak value =20 rated value — up to 690 V for current peak value =20 rated value — up to 500 V for current peak value =30 rated value — up to 500 V for current peak value =30 rated value — up to 500 V for current peak value =30 rated value — up to 500 V for current peak value =30 rated value — up to 690 V for current peak value =30 rated value — up to 690 V for current peak value =30 rated value — up to 690 V for current peak value =30 rated value — up to 690 V for current peak value =30 rated value — up to 690 V for current peak value =30 rated value — at 1400 V rated value — at 600 V rated value — at 120 V rated value — at 60 V rated valu	• at AC-1	
value	value	
	value	55 A
at 500 V rated value		
■ at 400 V rated value ■ at 500 V rated value ■ at 600 V rated value ■ up to 230 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ at 600 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 1 current path at DC-1 ■ at 24 V rated value ■ at 100 V rated value ■ at 100 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 400 V rated value ■ at 600 V ra		
		24 A
at 500 V rated value at 690 V rated value 35 A 32		44.
at AC-4 at 400 V rated value     at AC-5a up to 690 V rated value     at AC-5a up to 690 V rated value     at AC-5a up to 400 V rated value     at AC-6a     aup to 230 V for current peak value n=20 rated value     aup to 500 V for current peak value n=20 rated value     aup to 500 V for current peak value n=20 rated value     aup to 500 V for current peak value n=20 rated value     aup to 500 V for current peak value n=20 rated value     aup to 500 V for current peak value n=30 rated value     aup to 400 V for current peak value n=30 rated value     aup to 500 V for current peak value n=30 rated value     aup to 500 V for current peak value n=30 rated value     aup to 500 V for current peak value n=30 rated value     aup to 500 V for current peak value n=30 rated value     aup to 690 V for current peak value n=30 rated value     aup to 690 V for current peak value n=30 rated value     aup to 690 V for current peak value n=30 rated value     authous current for approx. 200000 operating cycles at AC-4     at 400 V rated value     at 690 V rated value     at 690 V rated value     at 690 V rated value     at 110 V rated value     at 110 V rated value     at 400 V rated value     at 220 V rated value     at 400 V rated value		
at AC-4 at 400 V rated value     at AC-5a up to 690 V rated value     at AC-5a     at AC-5a     at AC-5a     at AC-5a     at AC-6a     at AC-6a     at AC-5a     at AC-5a     at AC-5a     at AC-6a     at AC-5a     at AC-6a      at AC-6a      at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC-6a     at AC		
at AC-5a up to 690 V rated value     at AC-5b up to 400 V rated value     at AC-5b up to 400 V rated value     at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 230 V for current peak value n=20 rated value     — up to 690 V for current peak value n=30 rated value     — up to 230 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — at 600 V rated value     — at 600		
at AC-5b up to 400 V rated value     at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 400 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     at AC-6a     — up to 230 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 800 V for current peak value n=30 rated value     — up to 800 V for current peak value n=30 rated value     — up to 800 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — operational current for approx. 200000 operating cycles at     AC-4     • at 400 V rated value     • at 1 current path at DC-1     — at 24 V rated value     — at 60 V rated value     —		
• at AC-6a  — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value • at AC-6a  — up to 230 V for current peak value n=30 rated value • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  — operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 600 V rated value  • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 220 V rated value — at 60 V rated va		
- up to 230 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - at AC-6a - up to 230 V for current peak value n=30 rated value - up to 230 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - at 400 V rated value - at 400 V rated value - at 400 V rated value - at 220 V rated value - at 600 V rated value - at		33.2 A
up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value at 600 V rated value at 600 V rated value at 600 V rated value at 200 V rated value at 2		
up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value  at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current paprox. 200000 operating cycles at AC-4 at 400 V rated value at 22 A at 100 V rated value at 220 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 400 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 600		
• at AC-6a  — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value  — up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  • at 24 V rated value  • with 2 vated value  • at 60 V rated value  • with 2 vated value  • at 60 V rated value  • at 220 V rated value  • at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  • at 60 V rated value  • at 60 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  • at 60 V rated value		
up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 590 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1  at 24 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 24 V rated value at 400 V rated value at 440 V rated value at 440 V rated value at 24 V rated value at 25 A  • with 2 current paths in series at DC-1  at 24 V rated value at 20 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value		24 A
up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • at 1 current path at DC-1  at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value		24.2.4
up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • at 1 current path at DC-1  at 24 V rated value at 24 V rated value at 20 V rated value at 20 V rated value at 400 V rated value at 600 V rated value at 220 V rated value		
— up to 690 V for current peak value n=30 rated value       24 A         minimum cross-section in main circuit at maximum AC-1 rated value       16 mm²         operational current for approx. 200000 operating cycles at AC-4       • at 400 V rated value         • at 690 V rated value       18.5 A         operational current       • at 1 current path at DC-1         — at 24 V rated value       55 A         — at 60 V rated value       23 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       55 A         — at 60 V rated value       45 A         — at 110 V rated value       45 A         — at 220 V rated value       5 A         — at 440 V rated value       5 A         — at 600 V rated value       5 A         — at 600 V rated value       5 A         — at 600 V rated value       6 A         — at 600 V rated value       6 A         — at 600 V rated value       6 A         —	·	
minimum cross-section in main circuit at maximum AC-1 rated value       16 mm²         operational current for approx. 200000 operating cycles at AC-4       at 400 V rated value         • at 690 V rated value       18.5 A         operational current       at 1 current path at DC-1         — at 24 V rated value       55 A         — at 60 V rated value       23 A         — at 110 V rated value       1 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       55 A         — at 60 V rated value       45 A         — at 110 V rated value       45 A         — at 220 V rated value       5 A         — at 220 V rated value       5 A         — at 440 V rated value       5 A         — at 600 V rated value       5 A         — at 600 V rated value       1 A         — at 600 V rated value       0.8 A		
Operational current for approx. 200000 operating cycles at AC-4   • at 400 V rated value   22 A   • at 690 V rated value   18.5 A		
	value	10 11111
• at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 600 V		
operational current	• at 400 V rated value	22 A
• at 1 current path at DC-1  — at 24 V rated value 55 A  — at 60 V rated value 4.5 A  — at 110 V rated value 1 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 55 A  — at 60 V rated value 45 A  — at 110 V rated value 45 A  — at 220 V rated value 55 A  — at 240 V rated value 45 A  — at 210 V rated value 55 A  — at 210 V rated value 45 A  — at 210 V rated value 55 A  — at 220 V rated value 55 A  — at 440 V rated value 55 A  — at 440 V rated value 10.8 A	at 690 V rated value	18.5 A
- at 24 V rated value 55 A - at 60 V rated value 23 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 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 1220 V rated value 55 A - at 440 V rated value 15 A - at 220 V rated value 15 A - at 440 V rated value 15 A - at 600 V rated value 15 A - at 600 V rated value 15 A - at 600 V rated value 10.8 A	operational current	
- at 60 V rated value 23 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 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 55 A - at 440 V rated value 1 A - at 600 V rated value 50 A - at 600 V rated value 1 A	• at 1 current path at DC-1	
- 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 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 1 A - at 600 V rated value 0.8 A  • with 3 current paths in series at DC-1	— at 24 V rated value	55 A
<ul> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 5A</li> <li>— at 600 V rated value</li> </ul>	— at 60 V rated value	23 A
- at 440 V rated value  - at 600 V rated value  • with 2 current paths in series at DC-1  - at 24 V rated value  - at 60 V rated value  - at 110 V rated value  - at 220 V rated value  - at 440 V rated value  - at 600 V rated value	— at 110 V rated value	4.5 A
- at 600 V rated value  • with 2 current paths in series at DC-1  - at 24 V rated value  - at 60 V rated value  - at 110 V rated value  - at 220 V rated value  - at 440 V rated value  - at 600 V rated value  - at 600 V rated value  • with 3 current paths in series at DC-1	— at 220 V rated value	
<ul> <li>with 2 current paths in series at DC-1         <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 3 current paths in series at DC-1</li> </ul>	— at 440 V rated value	0.4 A
<ul> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— with 3 current paths in series at DC-1</li> </ul>		0.25 A
<ul> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> </ul>	· · · · · · · · · · · · · · · · · · ·	
<ul> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> </ul>		
<ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-1</li> </ul>	— at 60 V rated value	
<ul> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> </ul>	— at 110 V rated value	
<ul> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> </ul>	— at 220 V rated value	5 A
• with 3 current paths in series at DC-1	— at 440 V rated value	
	— at 600 V rated value	0.8 A
— at 24 V rated value 55 A	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
	— at 24 V rated value	55 A

— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value — at 600 V rated value	2.9 A
	1.4 A
• at 1 current path at DC-3 at DC-5	05.4
— at 24 V rated value	35 A
— at 60 V rated value	6.4
— at 220 V rated value	1.4
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
<ul><li>at AC-2 at 400 V rated value</li></ul>	18.5 kW
• at AC-3	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	
4	44 C IAM
at 400 V rated value	11.6 kW
at 690 V rated value	16.8 kW
operating apparent power at AC-6a	25 200 \/A
up to 400 V for current peak value n=20 rated value	25 200 VA
• up to 500 V for current peak value n=20 rated value	31 600 VA
• up to 690 V for current peak value n=20 rated value	28 600 VA
operating apparent power at AC-6a	0.000.1/4
up to 230 V for current peak value n=30 rated value	9 600 VA
up to 400 V for current peak value n=30 rated value	16 800 VA
• up to 500 V for current peak value n=30 rated value	21 000 VA
• up to 690 V for current peak value n=30 rated value	28 600 VA
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>	843 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	596 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 10 s switching at zero current maximum	400 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 30 s switching at zero current maximum	241 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	196 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	, Jos III
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
-1	

• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	1 000 1/h
• at AC-3e maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	83 150 V
at 60 Hz rated value	83 150 V
control supply voltage at DC	
rated value	83 150 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
type of PLC-control input according to IEC 60947-1	Type 1
consumed current at PLC-control input according to IEC 60947-1 maximum	11 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	25 A
duration of inrush current peak	10 µs
locked-rotor current mean value	0.34 A
locked-rotor current peak	0.8 A
duration of locked-rotor current	230 ms
holding current mean value	0.015 A
apparent pick-up power of magnet coil at AC	
● at 50 Hz	40 VA
● at 60 Hz	40 VA
apparent holding power	
<ul> <li>at minimum rated control supply voltage at DC</li> </ul>	2 VA
at maximum rated control supply voltage at DC	2 VA
apparent holding power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	2 VA
— at 60 Hz	2 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	2 VA
— at 60 Hz	2 VA
apparent holding power of magnet coil at AC	2)//
• at 50 Hz	2 VA
• at 60 Hz	2 VA
inductive power factor with the holding power of the coil	0.05
• at 50 Hz	0.95 0.95
at 60 Hz  closing power of magnet coil at DC	40 W
holding power of magnet coil at DC	1.6 W
closing delay	1.0 11
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	33 1 10 III0
• at AC	30 55 ms
• at DC	30 55 ms
recovery time after power failure typical	2.1 s
arcing time	10 20 ms
control version of the switch operating mechanism	Fail-safe PLC input (F-PLC-IN)
control version of the switch operating mechanism	Fall-Sale PLC Input (F-PLC-IIV)

Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	
number of NO contacts for auxiliary contacts instantaneous contact	0
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	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
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	40 A
at 600 V rated value	41 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	3 hp
— at 230 V rated value	7.5 hp
• for 3-phase AC motor	
-+ 000/000 \ /	40 h
— at 200/208 V rated value	10 hp
<ul><li>— at 200/208 V rated value</li><li>— at 220/230 V rated value</li></ul>	15 hp
	·
— at 220/230 V rated value	15 hp
— at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL	15 hp 30 hp
— at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection	15 hp 30 hp 40 hp
at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link	15 hp 30 hp 40 hp
— at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection	15 hp 30 hp 40 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit - with type of coordination 1 required	15 hp 30 hp 40 hp A600 / P600 gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch required	15 hp 30 hp 40 hp A600 / P600 gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch required	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting  height	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting height width	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting height width depth	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting  height  width  depth  required spacing • with side-by-side mounting	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting  height  width  depth  required spacing • with side-by-side mounting - forwards	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required  - with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method • side-by-side mounting  height  width  depth  required spacing • with side-by-side mounting	15 hp 30 hp 40 hp A600 / P600  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm

at the eide	0.000
— at the side	0 mm
for grounded parts	40
— 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	
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 or stranded	2x (1 35 mm²), 1x (1 50 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
connectable conductor cross-section for main contacts	
finely stranded with core end processing	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	0.0 2.0 mm
for auxiliary contacts	
— solid or stranded	2v (0.5
	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
for main contacts	18 1
for auxiliary contacts	20 14
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
• positively driven operation according to IEC 60947-5-1	No
safety device type according to IEC 61508-2	Type B
suitability for use safety-related switching OFF	Yes 1 000 000
B10 value with high demand rate according to SN 31920	
Safety Integrity Level (SIL) according to IEC 61508	2
SIL Claim Limit (subsystem) according to EN 62061	2
performance level (PL) according to EN ISO 13849-1	C
category according to EN ISO 13849-1	2
stop category according to EN 60204-1	0
diagnostics test interval by internal test function maximum	28 800 s
proportion of dangerous failures	
with low domand rate according to SN 31020	40 %
<ul> <li>with low demand rate according to SN 31920</li> </ul>	
with low demand rate according to SN 31920     with high demand rate according to SN 31920	73 %
-	73 % 7.7E-8 1/h
with high demand rate according to SN 31920	
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061	7.7E-8 1/h
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920	7.7E-8 1/h 100 FIT
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)	7.7E-8 1/h 100 FIT 96 %
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)  PFDavg with low demand rate according to IEC 61508	7.7E-8 1/h 100 FIT 96 % 0.0067
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)  PFDavg with low demand rate according to IEC 61508  MTBF	7.7E-8 1/h 100 FIT 96 % 0.0067 52 a
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)  PFDavg with low demand rate according to IEC 61508  MTBF  hardware fault tolerance according to IEC 61508  T1 value for proof test interval or service life according to IEC	7.7E-8 1/h 100 FIT 96 % 0.0067 52 a 0
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061  failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)  PFDavg with low demand rate according to IEC 61508  MTBF  hardware fault tolerance according to IEC 61508  T1 value for proof test interval or service life according to IEC 61508	7.7E-8 1/h 100 FIT 96 % 0.0067 52 a 0 20 a
with high demand rate according to SN 31920  PFHD with high demand rate according to EN 62061 failure rate [FIT] with low demand rate according to SN 31920  Safe failure fraction (SFF)  PFDavg with low demand rate according to IEC 61508  MTBF hardware fault tolerance according to IEC 61508  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529	7.7E-8 1/h 100 FIT 96 % 0.0067 52 a 0 20 a



Confirmation





<u>KC</u>



EMC Safety/Safety of Ma- chinery
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**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Type Examination Certificate





Type Test Certificates/Test Report

other



Railway

## Marine / Shipping









Confirmation Vibration and Shock

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2035-1SF30

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2035-1SF30}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1SF30

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

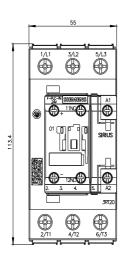
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2035-1SF30&lang=en

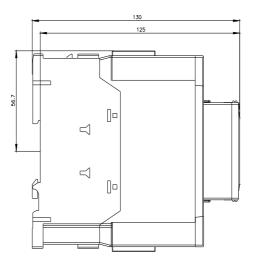
Characteristic: Tripping characteristics, I2t, Let-through current

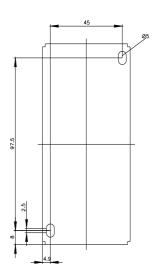
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1SF30/char

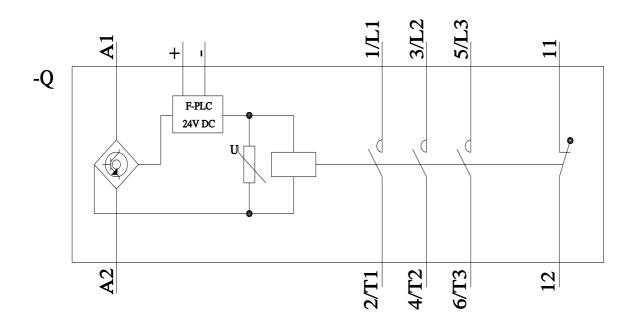
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1SF30&objecttype=14&gridview=view1









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