## **SIEMENS**

Data sheet 3RT2015-2FB42



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, with integrated diode, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00  $\,$ 

product brand name product type designation product type designation product type designation product type designation size of contactor module for communication submitiantly switch power loss [W] for rated value of the current stal AC in hot operating state per pole without load current share typical so district incitud with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary switch trated value of auxiliary switch trated value of auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary	and death and areas	CIPHIO
product type designation  street echnical class  street of contactor  • function module for communication • auxiliary switch  power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • at DC • of contactor with sine pulse • at DC • of contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added au		
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size of contactor  product extension  • function module for communication • function module for communication • function module for communication • auxiliary switch  power loss [W] for rated value of the current • at AC in hot operating state e communication • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of on contacts according to EN 60947-1  shock resistance at rectangular impulse • at DC • of contactor with sine pulse • at DC • of contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxili		3RT2
product extension  • function module for communication • auxiliary switch  power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • of main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value • of outlands circuit rated value • of outlands recording to EN 60947-1  shock resistance at rectangular impulse • at DC • at DC • at DC • of contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SyHC substance name • during operation • during storage • during storage • during storage relative humidity at 55 °C according to IEC 60068-2-30  relative humidity at 55 °C according to IEC 60068-2-30	General technical data	
• function module for communication ● auxiliary switch Power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical  • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit trated value • of auxiliary circuit rated value • at DC • at DC • at DC • (a.7g / 5 ms. 4.2g / 10 ms  **block resistance with sine pulse • at DC • of contactor with aided electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  **policy contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  **policy contactor	size of contactor	S00
• auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value • at DC • (Arg. / 5 ms, 4,2g / 10 ms)  shock resistance at rectangular impulse • at DC • (Arg. / 5 ms, 4,2g / 10 ms)  shock resistance with sine pulse • at DC • (Arg. / 5 ms, 6,6g / 10 ms)  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically opt	product extension	
power loss [W] for rated value of the current  at AC in hot operating state	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state   0.6 W   • at AC in hot operating state per pole   0.2 W   • without load current share typical   4 W    insulation voltage   690 V   • of main circuit with degree of pollution 3 rated value   690 V   • of auxiliary circuit with degree of pollution 3 rated value   690 V   • of auxiliary circuit with degree of pollution 3 rated value   6 kV   • of auxiliary circuit rated value   6 kV   • of ortacator viriarity salue   6 kV   • of ortacator viriari	auxiliary switch	Yes
• at AC in hot operating state per pole • without load current share typical  • without load current share typical  • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary sible voltage for protective separation between coil and main contacts according to EE 0 80947-1  • of DC • of contactor with sine pulse • of DC • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the cont	power loss [W] for rated value of the current	
insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of at DC of,7g / 5 ms, 4,2g / 10 ms  shock resistance with sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of	<ul> <li>at AC in hot operating state</li> </ul>	0.6 W
insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of auxiliary circuit rated value of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse of tDC of,7g / 5 ms, 4,2g / 10 ms  shock resistance with sine pulse of contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W
of main circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     of main circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot DC     of,7g / 5 ms, 4,2g / 10 ms  shock resistance with sine pulse     of tDC     of ontactor with sine pulse     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the cont	<ul> <li>without load current share typical</li> </ul>	4 W
of auxiliary circuit with degree of pollution 3 rated value      surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value      of auxiliary circuit rated value     of kV      of auxiliary circuit rated value     of xiv      outhout contacts cording to EN 60947-1      outhout six purple     of xiv      outhout six purple     outhout corditions viith added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     outhout the contactor with added auxiliary	insulation voltage	
surge voltage resistance  of main circuit rated value of auxiliary circuit rated value of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse of at DC of contactor with sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typi	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     advo V  do V  do V  shock resistance at rectangular impulse     o at DC     of,7 / 5 ms, 4,2g / 10 ms  shock resistance with sine pulse     o at DC     10,5g / 5 ms, 6,6g / 10 ms  mechanical service life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch b	• of auxiliary circuit with degree of pollution 3 rated value	690 V
• of auxiliary circuit rated value  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse • at DC  shock resistance with sine pulse • at DC  shock resistance with sine pulse • at DC  nechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  substance Prohibitance (Date)  SUHC substance (Date)  SUHC substance name  Blei - 7439-92-1  Auxiliary suitch block typical installation altitude at height above sea level maximum • during operation • during operation • during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  and the substance of the contactor are provided and the substance of the contactor with added auxiliary switch block typical  10 000 000  20 000  10 000 000  20 00	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse	of main circuit rated value	6 kV
shock resistance at rectangular impulse	of auxiliary circuit rated value	6 kV
• at DC  shock resistance with sine pulse • at DC  10,5g / 5 ms, 6,6g / 10 ms  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  10 000 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  SVHC substance name Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during storage -55 +80 °C  relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum		400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
• at DC  mechanical service life (operating cycles)  • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical •	• at DC	6,7g / 5 ms, 4,2g / 10 ms
mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  -55 +60 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum	shock resistance with sine pulse	
<ul> <li>of contactor typical</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>10 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>SVHC substance name</li> <li>Blei - 7439-92-1</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>a 2 000 m</li> <li>ambient temperature</li> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> </ul>	• at DC	10,5g / 5 ms, 6,6g / 10 ms
of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     10 000 000  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  o during operation other with added electronically optimized  -25 +60 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  5 000 000  10 000  0 0	mechanical service life (operating cycles)	
auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation of during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  10 000 000  10 000 000  10 0	of contactor typical	30 000 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  95 %		5 000 000
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  10/01/2009  Blei - 7439-92-1  2 000 m  2 000 m  - 25 +60 °C  - 25 +60 °C  - 55 +80 °C  95 %	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
SVHC substance name  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Blei - 7439-92-1  2 000 m  - 25 +60 °C  - 55 +80 °C  95 %	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  2 000 m  2 000 m  -25 +60 °C  -25 +80 °C  -55 +80 °C  95 %	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  -25 +60 °C  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum	SVHC substance name	Blei - 7439-92-1
ambient temperature  • during operation • during storage  -25 +60 °C  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  95 %	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> </ul>	installation altitude at height above sea level maximum	2 000 m
• during storage -55 +80 °C  relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	ambient temperature	
relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  10 %  95 %	during operation	-25 +60 °C
relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum	during storage	-55 +80 °C
maximum		10 %
Environmental footprint	relative humidity at 55 °C according to IEC 60068-2-30	95 %
	Environmental footprint	

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	153 kg
Global Warming Potential [CO2 eq] during manufacturing	1.42 kg
Global Warming Potential [CO2 eq] during operation	152 kg
global warming potential [CO2 eq] after end of life	-0.305 kg
Main circuit	oloco ng
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	18 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	16 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
at AC-3e  — at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
at AC-4 at 400 V rated value	6.5 A
at AC-5a up to 690 V rated value	15.8 A
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	3.6 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
• at 1 current path at DC-1	4E A
— at 24 V rated value	15 A
— at 60 V rated value — at 110 V rated value	15 A 1.5 A
— at 110 V rated value  — at 220 V rated value	0.6 A
— at 440 V rated value	0.6 A 0.42 A
— at 600 V rated value	0.42 A
with 2 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
• with 3 current paths in series at DC-1	
- with a carrent baths in series at DO-1	

at 24 V rated value   19 A   15 A		
	— at 24 V rated value	15 A
	— at 60 V rated value	15 A
	— at 110 V rated value	15 A
- at 15 CV rated value	— at 220 V rated value	15 A
- at 1 current paths at DC-3 at DC-5	— at 440 V rated value	0.9 A
	— at 600 V rated value	0.7 A
	• at 1 current path at DC-3 at DC-5	
- with 2 current paths in series at DC-3 at DC-5	— at 24 V rated value	15 A
	— at 60 V rated value	0.35 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
at 110 V rated value  with 3 current paths in series at DC-3 at DC-5  at 24 V rated value  at 100 V rated value  at 100 V rated value  at 100 V rated value  at 220 V rated value  at 220 V rated value  at 230 V rated value  at 440 V rated value  at 460 V rated value  at 1600 V rated value  at 230 V rated value  at 430 V rated value  at 690 V roted value  at 690 V for current peak value n=20 rated value  at 690 V for current peak value n=20 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak va	— at 24 V rated value	15 A
at 110 V rated value  with 3 current paths in series at DC-3 at DC-5  at 24 V rated value  at 100 V rated value  at 100 V rated value  at 100 V rated value  at 220 V rated value  at 220 V rated value  at 230 V rated value  at 440 V rated value  at 460 V rated value  at 1600 V rated value  at 230 V rated value  at 430 V rated value  at 690 V roted value  at 690 V for current peak value n=20 rated value  at 690 V for current peak value n=20 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak value n=30 rated value  at 690 V for current peak va		
- with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 160 V rated value - at 110 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at 600 V for current pack value n-20 rated value - at 600 V for current pack value n-20 rated value - up to 600 V for current pack value n-30 rated value - up to 600 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V for current pack value n-30 rated value - up to 500 V		
		0.2071
	•	15 A
Departing power		
at AC-3		
	— at 600 V rated value	0.14 A
	operating power	
at 400 V rated value	• at AC-3	
- at 500 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value	— at 230 V rated value	1.5 kW
	— at 400 V rated value	3 kW
at AC-3e  at 230 V rated value  at 500 V rated value  at 690 V rated value  at 690 V rated value  at 400 V rated value  at 690 V rated value  at 690 V rated value  at 690 V rated value  1.15 kW  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value  up to 400 V for current peak value n=20 rated value  up to 690 V for current peak value n=20 rated value  up to 690 V for current peak value n=20 rated value  up to 690 V for current peak value n=30 rated value  up to 500 V for current peak value n=30 rated value  up to 500 V for current peak value n=30 rated value  up to 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  2.9 kVA  short-lime withstand current in cold operating state up to  40 °C  ilmited to 1 s switching at zero current maximum  ilmited to 5 s switching at zero current maximum  ilmited to 50 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 s switching at zero current maximum  ilmited to 60 switching frequency  ilmited to 60 switching freque	— at 500 V rated value	3 kW
- at 230 V rated value	— at 690 V rated value	4 kW
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value  operating power for approx. 200000 operating cycles at AC-4  * at 400 V rated value * at 690 V rated value * at 690 V rated value * at 690 V rated value * up to 230 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	• at AC-3e	
- at 500 V rated value	— at 230 V rated value	1.5 kW
- at 500 V rated value	— at 400 V rated value	3 kW
- at 690 V rated value  operating power for approx. 200000 operating cycles at AC-4  * at 400 V rated value  at 690 V rated value  1.15 kW  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 690 V for current peak value n=30 rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 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 400 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching frequency  • at AC-1 maximum  • at AC-2 maximum  • at AC-3		3 kW
operating power for approx. 200000 operating cycles at AC-4  at 400 V rated value at 690 V rated value but to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 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 2.2 kVA 2.9 kVA  short-time withstand current in cold operating state up to 40 °C  ilimited to 1 s switching at zero current maximum ilimited to 5 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum at DC  operating frequency at AC-1 maximum at AC-2 maximum  at AC-3 maximum  at AC-3 maximum  750 1/h at AC-3 maximum  750 1/h at AC-4 maximum  750 1/h at AC-4 maximum  750 1/h		
at 400 V rated value at 690 V rated value 1.15 kW  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 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 2.2 kVA up to 690 V for current peak value n=30 rated value 2.9 kVA  short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 5 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 at 100 at AC-3 maximum at AC-4 maximum at AC-4 maximum 550 1/h at AC-4 maximum 550 1/h		
• at 690 V rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at		
operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value • 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 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • 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 • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum  oload switching frequency • at DC  10 000 1/h  operating frequency • at AC-3 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum	• at 400 V rated value	1.15 kW
up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum shift in the formula of the formula	at 690 V rated value	1.15 kW
up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=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 2.9 kVA  short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum at AC-1 maximum limited to 60 s switching at zero current maximum  10 000 1/h  operating frequency at AC-1 maximum at AC-2 maximum limited to 40 at AC-3 maximum limited to 40 at AC-3 maximum limited to 40 at AC-4 maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switching at Zero current maximum limited to 60 s switch	operating apparent power at AC-6a	
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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 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 2.2 kVA  short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum at DC  operating frequency at DC  1 0 000 1/h  operating frequency at AC-3 maximum 750 1/h 250 1/h	• up to 400 V for current peak value n=20 rated value	
up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value  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  short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum  limited to 5 s switching at zero current maximum  limited to 10 s switching at zero current maximum  limited to 30 s switching at zero current maximum  limited to 60 s switching at zero current maximum  limited to 60 s switching at zero current maximum  at AC-1 maximum  1000 1/h  operating frequency  at AC-1 maximum  1000 1/h  at AC-2 maximum  750 1/h  at AC-3 maximum  at AC-3 maximum  750 1/h  at AC-3 maximum  at AC-4 maximum  250 1/h  250 1/h		
operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • limited to 1 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 3 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero curren		
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<ul> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>10 000 1/h</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> </ul>		1 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> <li>at DC</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
• up to 690 V for current peak value n=30 rated value  short-time withstand current in cold operating state up to 40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 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 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 40 s switching at zero current maximum  • limited to 4		
short-time withstand current in cold operating state up to 40 °C  • limited to 1 s switching at zero current maximum  • limited to 5 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 10 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching at zero current maximum  • limited to 60 s switching frequency  • at DC  10 000 1/h   operating frequency  • at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-4 maximum  250 1/h		
• limited to 1 s switching at zero current maximum     • limited to 5 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 30 s switching at zero current maximum     • limited to 30 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum      • loo 00 1/h      • at AC-1 maximum     • at AC-2 maximum     • at AC-3 maximum     • at AC-3 maximum     • at AC-4 maximum     •		Z.J NVM
<ul> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>10 000 1/h</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		120 A: Use minimum cross-section acc. to AC-1 rated value
<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>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> </ul>	-	
<ul> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>10 000 1/h</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>	-	
<ul> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>10 000 1/h</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 emaximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
no-load switching frequency       10 000 1/h         ● at DC       10 000 1/h         operating frequency       1 000 1/h         ● at AC-1 maximum       750 1/h         ● at AC-3 maximum       750 1/h         ● at AC-3e maximum       750 1/h         ● at AC-4 maximum       250 1/h		
● at DC  operating frequency  ● at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3e maximum  • at AC-4 maximum  • at AC-4 maximum  • at AC-4 maximum  250 1/h		TO A, USE MINIMUM GUSS-SECTION ACC. TO AC-1 Tated Value
operating frequency         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-3e maximum       750 1/h         • at AC-4 maximum       250 1/h		10 000 1/b
<ul> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		10 000 1/11
<ul> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		4 000 4/1
<ul> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
<ul> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul>		
• at AC-4 maximum 250 1/h	• at AC-3 maximum	750 1/h
	• at AC-3e maximum	750 1/h
Control circuit/ Control		250 1/h
	Control circuit/ Control	

tune of voltage of the control complex.	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	041/
rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
design of the surge suppressor	diode
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms
opening delay	
• at DC	38 65 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	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	4.8 A
at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 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>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)

for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	go. 1071(000 v, 1101)
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 DIN rail according to DIN EN 60715
• side-by-side mounting	Yes
height	70 mm
width	45 mm
depth	73 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	40
— forwards	10 mm
— upwards	10 mm
— downwards — at the side	10 mm
	6 mm
Connections/ Terminals	
type of electrical connection	anring leaded terminals
for main current circuit     for auxiliary and control circuit	spring-loaded terminals
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	spring-loaded terminals Spring-type terminals
of magnet coil	Spring-type terminals  Spring-type terminals
type of connectable conductor cross-sections for main contacts	Spring type terminals
• solid	2x (0.5 4 mm²)
solid or stranded	2x (0,5 4 mm²)
finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
connectable conductor cross-section for main contacts	, , ,
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0,5 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 12)
AWG number as coded connectable conductor cross section	
• for main contacts	20 12
for auxiliary contacts	20 12
Safety related data	20 12
product function	
•	Voc
mirror contact according to IEC 60947-4-1  suitability for use safety-related switching OFF	Yes
suitability for use safety-related switching OFF  B10 value with high demand rate according to SN 31920	Yes 1 000 000

touch protection on the none according to IEC 60329	illiger-sale, for vertical contact from the from
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
protection class IP on the front according to IEC 60529	IP20
T1 value for proof test interval or service life according to IEC 61508	20 a
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %

**Approvals Certificates** 

## **General Product Approval**





Confirmation



<u>KC</u>



**EMC** 

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 

Environment



Household and similar appliances

Confirmation

Vibration and Shock

**Transport Information** 

Environmental Confirmations

## 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=3RT2015-2FB42

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2FB42

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2FB42

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

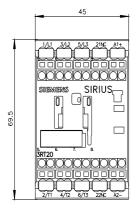
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-2FB42&lang=en

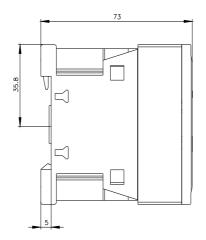
Characteristic: Tripping characteristics, I2t, Let-through current

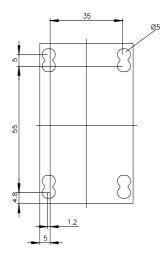
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2FB42/char

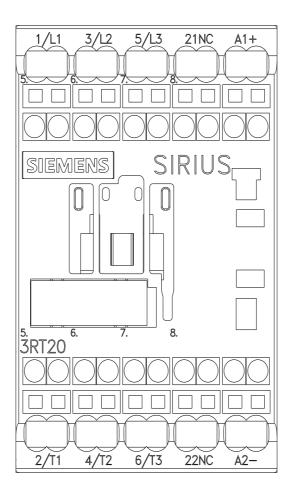
Further characteristics (e.g. electrical endurance, switching frequency)

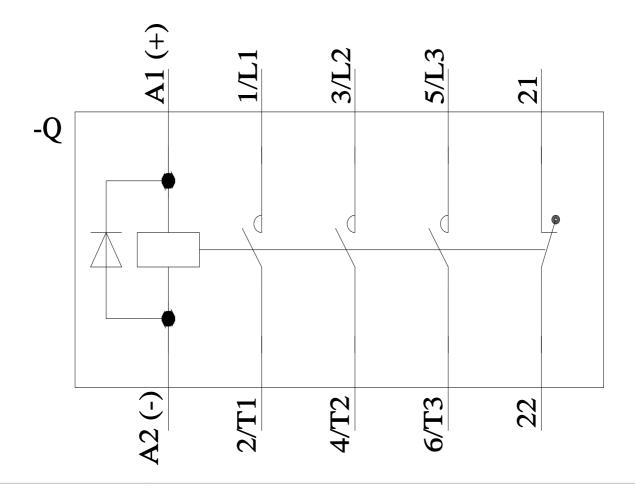
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RT2015-2FB42\&objecttype=14\&gridview=view1}$ 











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