SIEMENS

Data sheet

3RT2037-1AP64



power contactor, AC-3e/AC-3, 65 A, 30 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
function module for communication	No
auxiliary switch	No
power loss [W] for rated value of the current	
at AC in hot operating state	11.4 W
at AC in hot operating state per pole	3.8 W
without load current share typical	6.5 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
• of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
 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	9.8g / 5 ms, 6.5g / 10 ms
shock resistance with sine pulse	
● at AC	15.3g / 5 ms, 10.1g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	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	
• at AC-1 at 400 V at ambient temperature 40 °C rated	80 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	80 A
— up to 690 V at ambient temperature 60 °C rated	70 A
value	
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-3e	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
at AC-4 at 400 V rated value	55 A
at AC-5a up to 690 V rated value	70.4 A
 at AC-5b up to 400 V rated value at AC-6a 	53.9 A
	56.9 A
— up to 230 V for current peak value n=20 rated value	
— up to 400 V for current peak value n=20 rated value	56.9 A 56.9 A
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	47 A
• at AC-6a	4/ A
 up to 230 V for current peak value n=30 rated value 	38 A
— up to 200 V for current peak value n=30 rated value	38 A
— up to 500 V for current peak value n=30 rated value	38 A
— up to 690 V for current peak value n=30 rated value	38 A
minimum cross-section in main circuit at maximum AC-1 rated	25 mm ²
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	28 A
at 690 V rated value	22 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	
— 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	0.8 A
 with 3 current paths in series at DC-1 	
— 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	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	

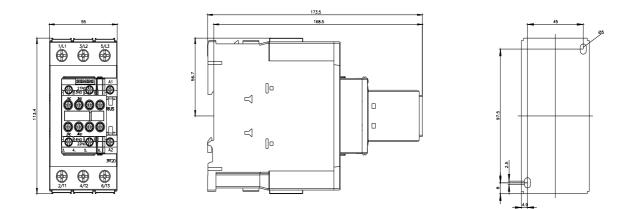
	— at 24 V rated value	35 A
	— at 60 V rated value	6 A
	— at 220 V rated value	1 A
• win 2 current path in series at DC-3 at DC-5 5 - at 24 V rade value 55 Å - at 110 V rade value 25 Å - at 110 V rade value 5 Å - at 440 V rade value 0.27 Å - at 440 V rade value 0.18 Å - at 440 V rade value 0.18 Å - at 460 V rade value 0.18 Å - at 460 V rade value 0.5 Å - at 460 V rade value 55 Å - at 460 V rade value 55 Å - at 460 V rade value 0.38 Å - at 460 V rade value 30 kW - at 470 V rade value 30 kW - at 400 V rade value 37 kW - at 600 V rade value 32 kW <td>— at 440 V rated value</td> <td>0.1 A</td>	— 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 	
- all 10 Vinited value at 440 Vinited value b 27 A - at 600 Vinited value 0 27 A - at 600 Vinited value 0 27 A - at 600 Vinited value 0 27 A - at 60 Vinited value 55 A - at 24 Vinited value 55 A - at 24 Vinited value 55 A - at 70 Vinited value 56 A - at 700 Vinited value 57 A - at 400 Vinited value 58 A - at 700 Vinited value 59 A - at 700 Vinited value 50 Vinited value	— 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
• with 3 current path in series at DC-3 at DC-5 55 A - at 20 V rated value 55 A - at 110 V rated value 55 A - at 120 V rated value 55 A - at 440 V rated value 66 A - at 420 V rated value 0.35 A operating power 0.35 A - at 600 V rated value 0.35 A operating power 0.15 KW - at 230 V rated value 30 KW - at 230 V rated value 30 KW - at 500 V rated value 30 KW - at 500 V rated value 30 KW - at 500 V rated value 37 KW - at 600 V rated value 30 KW - at 500 V rated value 30 kW - at 500 V rated value 30 kW - at 600 V rated value 30 kW opoperating poperator 30 kW <tr< td=""><td>— at 440 V rated value</td><td>0.27 A</td></tr<>	— 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
operating power at AC-2 at 400 V rated value 30 kW • at AC-3	— at 440 V rated value	0.6 A
	— at 600 V rated value	0.35 A
	operating power	
		30 kW
	• at AC-3	
at 400 V rated value30 kW at 500 V rated value37 kW at 230 V rated value37 kW at 230 V rated value15. kW at 400 V rated value30 kW at 630 V rated value30 kW at 630 V rated value37 kW at 630 V rated value20 kWoperating power for approx. 20000 operating cycles at AC at 640 V rated value20 kWoperating apparent power at AC-6820 kW operating apparent power at AC-6850 kW op to 200 V for current peak value n=20 rated value34 kVA up to 200 V for current peak value n=20 rated value35 kVA op to 400 V for current peak value n=30 rated value36 k kVA up to 200 V for current peak value n=30 rated value26 kVA op to 400 V for current peak value n=30 rated value28 kVA up to 560 V for current peak value n=30 rated value28 kVA op to 660 V for current peak value n=30 rated value28 kVA op to 650 V for current peak value n=30 rated value28 kVA op to 650 V for current peak value n=30 rated value28 kVA op time bas value n=30 rated value28 kVA <td>— at 230 V rated value</td> <td>18.5 kW</td>	— at 230 V rated value	18.5 kW
at 890 V rated value37 kW• at AC-3e at 230 V rated value30 kW at 400 V rated value30 kW at 690 V rated value37 kW at 690 V rated value20 kWoperating paperent power at AC-6a22.6 kVA up to 500 V for current peak value n=20 rated value39.4 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=30 rated value56.1 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA </td <td>— at 400 V rated value</td> <td>30 kW</td>	— at 400 V rated value	30 kW
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	• at AC-3e	
	— at 230 V rated value	18.5 kW
	— at 400 V rated value	30 kW
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• up to 500 V for current peak value n=20 rated value 49.2 kVA • up to 690 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 15.1 kVA • up to 230 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 25.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current maximum 1 055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 520 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 236 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 S switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value <td> up to 230 V for current peak value n=20 rated value </td> <td>22.6 kVA</td>	 up to 230 V for current peak value n=20 rated value 	22.6 kVA
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operating apparent power at AC-6a15.1 kVA• up to 230 V for current peak value n=30 rated value15.1 kVA• up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h	 up to 500 V for current peak value n=20 rated value 	49.2 kVA
 up to 230 V for current peak value n=30 rated value 15.1 kVA up to 400 V for current peak value n=30 rated value 26.2 kVA up to 500 V for current peak value n=30 rated value 32.8 kVA up to 690 V for current peak value n=30 rated value 45.3 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value limited to 1 s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value limited to 30 s switching at zero current maximum S20 A; Use minimum cross-section acc. to AC-1 rated value limited to 30 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value at AC s to 00 1/h at AC-1 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum 	 up to 690 V for current peak value n=20 rated value 	56.1 kVA
• up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVA short-time withstand current in cold operating state up to 40 °C 1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h	operating apparent power at AC-6a	
• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C1055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h	 up to 230 V for current peak value n=30 rated value 	15.1 kVA
• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h	 up to 400 V for current peak value n=30 rated value 	26.2 kVA
short-time withstand current in cold operating state up to 40 °C1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h	 up to 500 V for current peak value n=30 rated value 	32.8 kVA
40 °C• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 e maximum700 1/h• at AC-4 maximum200 1/h	 up to 690 V for current peak value n=30 rated value 	45.3 kVA
• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum800 1/h• at AC-3 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h		
• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h		
• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h	-	
• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency • at AC5 000 1/hoperating frequency5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h	-	
• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h	-	
no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h	-	
• at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h		272 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h		
• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h		5 000 1/h
• at AC-2 maximum 400 1/h • at AC-3 maximum 700 1/h • at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h		
• at AC-3 maximum 700 1/h • at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h		
• at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h		
• at AC-4 maximum 200 1/h		
Control circuit/ Control		200 1/h
	Control circuit/ Control	

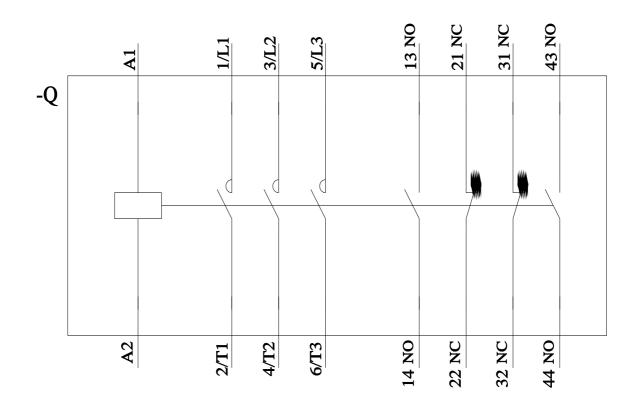
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	220 V
• at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	212 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	2
contact number of NO contacts for auxiliary contacts instantaneous	2
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 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	10.4
• 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	3 A 2 A
at 125 V rated valueat 220 V rated value	3 A 2 A 1 A
 at 125 V rated value at 220 V rated value at 600 V rated value 	3 A 2 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13	3 A 2 A 1 A 0.15 A
at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value	3 A 2 A 1 A 0.15 A 6 A
at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value	3 A 2 A 1 A 0.15 A 6 A 2 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 48 V rated value at 60 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 600 V rated value<!--</td--><td>3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)</td>	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 65 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 65 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value 	3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 65 A

- 20 hp - at 220/230 V rated value 20 hp - at 40/480 V rated value 50 hp - at 40/480 V rated value 50 hp context rating of auxiliary contexts according to UL X800 V (2600 Stort-Circuit protection of the main circuit - - - - - for short-circuit protection of the main circuit - - - - - - with type of coordination 1 required gC: 250 A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with type of assignment 2 required gC: 126 (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with type of assignment 2 required gC: 126 (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with side for short-circuit protection of the auxiliary switch required gC: 126 (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with side for solor gC: 20A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with side for solor gC: 20A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - - with side for solor gC: 20A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS8B: 200 A (415 V, 80 KA) - for sol
— at 575/600 V rated value 50 hp contact rating of auxiliary contacts according to UL X600 / Q600 Short-circuit protection of the main circuit
contact rating of auxiliary contacts according to UL A600 / Q800 Short-circuit protection
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 coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required restaining method • screw and snap-on mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surfac
design of the fuse link • for short-circuit protection of the main circuit with type of coordination 1 required gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) with type of assignment 2 required gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • for short-circuit protection of the auxiliary switch required gG: 10 (500 V, 10kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA) • side-torcuit science fastening method screw-streat and and backward by 4/- 22.5" on vertical mounting surface: can be titled forward and backward by 4/- 22.5" on vertical mounting surface fastening method screw-streat and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • with side-by-side mounting 10 mm • equivards 10 mm - downwards 10 mm
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit science for short-circuit protection of the auxiliary switch required for short-circuit science for shore circu
with type of coordination 1 required gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) with type of assignment 2 required gG: 125A (690V, 100 kA), aM: 63A (690V, 100 kA), BS88: 100A (415V, 80 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions +/180° rotation possible on vertical mounting surface; can be litted 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 114 mm width 55 mm equired spacing Yes • onwards 10 mm - upwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm <
kA) gG: 125A (690V,100KA), aM: 63A (690V,100KA), BS8: 100A (415V,80KA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 KA) Installation/ mounting/ dimensions +/180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° 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 114 mm width 55 mm deepth 174 mm required spacing 0 mm - downwards 10 mm - downwards 0 mm - forwards 10 mm - other side 6 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions +/-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 114 mm width 55 mm depth 174 mm required spacing - • with side-by-side mounting - - forwards 10 mm - downwards 0 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm
Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface; can be tilted forward and backward by #/-22.5° on vertical mounting surface feature in the side 55 mm feature spacing
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 114 mm width 55 mm depth 174 mm required spacing 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - of orwards 10 mm - upwards 10 mm - of orwards 10 mm - of orwards 10 mm - at the side 6 mm - of orwards 10 mm - of orwards 10 mm - at the side 6 mm - of orwards 10 mm - at the side 6 mm <
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 114 mm width 55 mm depth 174 mm required spacing 0 mm - forwards 10 mm - upwards 0 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm - at the side
• side-by-side mounting Yes height 114 mm width 55 mm depth 174 mm required spacing - • with side-by-side mounting 10 mm - forwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - upwards 10 mm - at the side 6 mm - at the side
height 114 mm width 55 mm depth 174 mm required spacing 174 mm • with side-by-side mounting 10 mm - forwards 10 mm - upwards 10 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - at the side 0 mm • for grounded parts 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals 5 mm
width 55 mm depth 174 mm required spacing - • with side-by-side mounting - - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 0 mm • for grounded parts 0 - forwards 10 mm - at the side 0 mm • for grounded parts 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - at the side 6 mm - at the side 6 mm
depth 174 mm required spacing - • with side-by-side mounting - - forwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm • for grounded parts - - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 6 mm Connections/ Terminals 6 mm
required spacing • with side-by-side mounting - forwards 10 mm - upwards 10 mm - downwards 0 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - at the side 0 mm • for grounded parts 10 mm - at the side 6 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals 10 mm - at the side 6 mm
• with side-byside mounting 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - upwards 10 mm - at the side 6 mm - upwards 10 mm - at the side 6 mm - at the side 10 mm - at the side 10 mm - bornwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 6 mm - downwards 6 mm - at the side 6 mm Connections/Terminals 5 mm type of electrical connection screw-type terminals
- forwards10 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm• for grounded parts forwards10 mm- upwards10 mm- upwards6 mm- at the side6 mm- downwards10 mm- for live parts10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- upwards10 mm- downwards6 mm- downwards6 mm- downwards6 mm- downwards6 mm- downwards5 mm- downwards6 mm- at the side6 mmConnections/Terminals5 crew-type terminals
- forwards10 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm• for grounded parts forwards10 mm- upwards10 mm- upwards6 mm- at the side6 mm- downwards10 mm- for live parts10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- upwards10 mm- downwards6 mm- downwards6 mm- downwards6 mm- downwards6 mm- downwards5 mm- downwards6 mm- at the side6 mmConnections/Terminals5 crew-type terminals
- downwards 10 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - for live parts 6 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - upwards 10 mm - downwards 6 mm - upwards 6 mm - downwards 6 mm - downwards 6 mm - downwards 5 mm - downwards 5 mm - for main current circuit screw-type terminals
- at the side0 mm• for grounded parts10 mm- forwards10 mm- upwards00 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- forwards10 mm- at the side6 mm- forwards10 mm- forwards10 mm- upwards10 mm- downwards10 mm- at the side6 mmConnections/ Terminals5 crew-type terminals
• for grounded parts - - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - - forwards 10 mm - ownwards 10 mm - forwards 10 mm - ownwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - at the side 6 mm
- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- at the side6 mm- at the side6 mmConnections/ Terminals5 crew-type terminals
- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- downwards10 mm- at the side6 mm- at the side6 mmConnections/ Terminals5 crew-type terminals
- at the side 6 mm - downwards 10 mm • for live parts - - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/Terminals type of electrical connection • for main current circuit screw-type terminals
- at the side6 mm- downwards10 mm- for live parts forwards10 mm- upwards10 mm- downwards10 mm- downwards6 mm- at the side6 mmConnections/ Terminalstype of electrical connection • for main current circuitscrew-type terminals
- downwards 10 mm • for live parts - - forwards 10 mm - upwards 10 mm - downwards 10 mm - a the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals
- 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
- upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals
downwards 10 mm at the side 6 mm Connections/ Terminals 5 type of electrical connection • for main current circuit • for main current circuit screw-type terminals
at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals
type of electrical connection • for main current circuit screw-type terminals
for main current circuit screw-type terminals
for auxiliary and control circuit screw-type terminals at contactor for auxiliary contacts 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)
finely stranded with core end processing 2x (1 25 mm ²), 1x (1 35 mm ²)
connectable conductor cross-section for main contacts
finely stranded with core end processing 1 35 mm ²
connectable conductor cross-section for auxiliary contacts
solid or stranded 0.5 2.5 mm ²
finely stranded with core end processing 0.5 2.5 mm ²
type of connectable conductor cross-sections
• for auxiliary contacts
- solid or stranded 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
- finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
• 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

afety related data						
product function	poperding to IEC 600.47.4.4		Voc			
	according to IEC 60947-4-1	00047 5 4	Yes			
positively driven operation according to IEC 60947-5-1		00947-5-1	No			
suitability for use safety-related switching OFF		24000	Yes			
	emand rate according to SN	31920	1 000 000			
proportion of danger						
	d rate according to SN 3192		40 %			
	nd rate according to SN 319		73 %			
	ow demand rate according t		100 FIT			
T1 value for proof test 61508	interval or service life accor	ding to IEC	20 a			
	n the front according to IE	C 60529	IP20			
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529			finger-safe, for vertical contact from the front			
Certificates/ approvals						
General Product Ap						
General i roddot Ap	provar					
	\frown	Confirmation	\sim	KC		
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