## SIEMENS

## Data sheet

## 3RT2015-1AK62



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NC, 110 V AC, 50 Hz 120 V, 60Hz, 3-pole, Size S00, screw terminals

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	S00		
product extension			
<ul> <li>function module for communication</li> </ul>	No		
<ul> <li>auxiliary switch</li> </ul>	Yes		
power loss [W] for rated value of the current			
<ul> <li>at AC in hot operating state</li> </ul>	0.6 W		
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W		
<ul> <li>without load current share typical</li> </ul>	4.4 W		
insulation voltage			
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V		
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V		
surge voltage resistance			
<ul> <li>of main circuit rated value</li> </ul>	6 kV		
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV		
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• at AC	6,7g / 5 ms, 4,2g / 10 ms		
shock resistance with sine pulse			
• at AC	10,5g / 5 ms, 6,6g / 10 ms		
mechanical service life (switching cycles)			
<ul> <li>of contactor typical</li> </ul>	30 000 000		
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000		
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000		
reference code according to IEC 81346-2	Q		
Substance Prohibitance (Date)	10/01/2009		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
<ul> <li>during operation</li> </ul>	-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			
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V		
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V		
operational current			
• at AC-1 at 400 V at ambient temperature 40 °C	18 A		
rated value			
• at AC-1	40.4		
— up to 690 V at ambient temperature 40 °C rated value	18 A		
— up to 690 V at ambient temperature 60 °C	16 A		
rated value			
• 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		
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	15.8 A		
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	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		
— up to 690 V for current peak value n=20 rated value	3.6 A		
<ul> <li>at AC-6a</li> <li>— up to 230 V for current peak value n=30 rated</li> </ul>	2.7 A		
value — up to 400 V for current peak value n=30 rated value	2.7 A		
— up to 500 V for current peak value n=30 rated value	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			
— at 24 V rated value	15 A		
— at 110 V rated value	1.5 A		
— at 220 V rated value	0.6 A		
— at 440 V rated value	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 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		
<ul> <li>with 3 current paths in series at DC-1</li> </ul>			

— at 24 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 110 V rated value	0.1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 110 V rated value	0.25 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	
● at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
● at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	1.15 kW
at 690 V rated value	1.15 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	1.5 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	2.7 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	3.3 kVA
up to 690 V for current peak value n=20 rated value	4.3 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1 kVA
• up to 400 V for current peak value n=30 rated value	1.8 kVA
• 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	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	120 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 5 s switching at zero current maximum	86 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 10 s switching at zero current maximum	67 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency • at AC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
control supply voltage at AO	

<ul> <li>et 60 Hz meter value</li> <li>et 60 Hz meter value</li> <li>20 V</li> <li>operating range factor control supply voltage rated value of range tool at AC</li> <li>et 60 Hz</li> <li>08 - 1.1</li> <li>apparent pick-up power of magnet coll at AC</li> <li>et 60 Hz</li> <li>20.4 VA</li> <li>et 60 Hz</li> <li>21.1 Brain</li> <li>22.4 VA</li> <li>et 60 Hz</li> <li>et 60 Hz&lt;</li></ul>		
operating range factor control supply voltage rated value of rangent coil at AC         0.81.1           • at 60 hz         0.81.1           • at 60 hz         0.81.1           eparemt pick-tup power of magnet coil at AC         26.4 VA           • at 60 hz         0.81.1           end bo hz         0.8.1           end bo hz         0.8.1           end bo hz         0.24           closing delay         0		
value of magnet coll at AC • at 80 hz •		120 V
• at 60 Fz     0.8 1.1       apparent pick-up power of magnet coil at AC     0.8 1.1       • at 60 Fz     26.4 VA       inductive power factor with closing power of the coil     0.81       • at 60 Fz     0.81       • at 60 Fz     0.81       • at 60 Fz     4.4 VA       • at 60 Fz     0.81       • at 60 Fz     4.4 VA       • at 60 Fz     0.44       • at 60 Fz     0.24       closing delay     0.44       • at AC     935 ms       • opening delay     713 ms       • at AC     10.4       operational current at AC-12 maximum     10.A       operational current at AC-13     1.A <td>operating range factor control supply voltage rated</td> <td></td>	operating range factor control supply voltage rated	
• at 60 Hz     0.81.1       apparent pick up opword magnet coil at AC     28.4 VA       • at 50 Hz     28.4 VA       • at 50 Hz     0.81       apparent pick up ower factor with closing power of the coll     0.81       • at 50 Hz     0.81       apparent holding power of magnet coll at AC     4.4 VA       • at 60 Hz     0.81       apparent holding power of magnet coll at AC     4.4 VA       • at 60 Hz     0.24       • at 60 Hz     0.4       • at 60 Hz     0.4 <t< td=""><td>-</td><td>0.0 1.1</td></t<>	-	0.0 1.1
apparent pick-up power of magnet coil at AC       26.4 VA         • at 50 Hz       26.4 VA         • at 50 Hz       0.81         • at 50 Hz       0.44 VA         • at 50 Hz       0.24         • at 50 Hz       0.24         • at 60 Hz       0.24         • at 7.C       935 ms         • at 8.0 V rator value       1015 mS         • at 8.0 V rator value       10		
et 60 Hz     26.4 VA       inductive power factor with closing power of the coll     081       at 60 Hz     081       apparent holding power of magnet coll at AC     44.VA       et 60 Hz     081       apparent holding power of magnet coll at AC     44.VA       et 60 Hz     041       et 60 Hz     041       et 60 Hz     041       et 60 Hz     044       et 60 Hz     024       et 60 Hz     1015 ms       control version of the switch operating mechanism     10.A       operational current at AC-15     1       et 300 Hz     044       et 300 Hz     04       et		0.8 1.1
• at 60 H2     26.4 VA       inductive power factor with closing power of the coll     0.81       • at 60 H2     0.81       • at 60 H2     0.81       • at 60 H2     4.4 VA       • at 60 H2     4.4 VA       • at 60 H2     0.24       • at 70 H2     0.24       • at 70 H2     1.5 ms       • at 70 H2     1.6 ms       • at 70 H2     1.6 ms       • at 70 H2     1.0 A       operational current at AC-15     1       • at 300 V rated value     10 A       • at 300 V rated value     2 A       • at 300 V rated value     2 A       • at 300 V rated value     2 A       • at 300 V rated value     1 A       • at 300 V rated value		22.434
Inductive power factor with closing power of the coll     0.81       • at 50 Hz     0.81       • at 50 Hz     0.81       • at 50 Hz     4.4 VA       • at 50 Hz     0.24       • at 60 Hz     10       • at 20 V resion of the switch operating mechanism     10       Austing V circuit     10 A       operational current at AC-12     10 A       operational current at AC-12     10 A       • at 300 V rated value     1 A       operational current at DC-12     10 A       • at 20 V rated value     2 A		
• at 50 Hz     081       • at 50 Hz     081       • at 50 Hz     0.81       • at 50 Hz     4.4 VA       Inductive power factor with the holding power of the coll     4.4 VA       inductive power factor with the holding power of the coll     0.24       closing delay     0.24       closing delay     0.24       closing delay     0.24       et AC     713 ms       arcing time     1015 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     10.A       operational current at AC-15     1       at 600 V rated value     10.A       operational current at AC-12 maxinum     10.A       operational current at AC-12 maxinum     10.A       operational current at AC-12 maxinum     10.A       operational current at AC-15     1.       at 600 V rated value     2.A       • at 600 V rated value     10.A       operational current at AC-15     1.       at 600 V rated value     1.       • at 600 V rated value     1. <td></td> <td>26.4 VA</td>		26.4 VA
• at 60 Hz         0.81           apparent holding power of magnet coll at AC         4.4 VA           • at 30 Hz         0.24           • at 60 Hz         0.24           • at 60 Hz         0.24           • at 60 Hz         0.24           • at 70 C         9 35 ms           opening delay         35 ms           • at AC         9 35 ms           opening delay         10 15 ms           • at AC         7 13 ms           arcing time         10 15 ms           control version of the switch operating mechanism         10 15 ms           Auxiliary dent         1           instantencos context         1           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           operational current at DC-12         A           • at 600 V rated value         2 A           • at 600 V rated value         6 A           • at 600 V rated value         10 A           • at 220 V rated value		
apparent holding power of magnet coll at AC     4.4 VA       • at 50 H2     4.4 VA       inductive power factor with the holding power of the coll     0.24       • at 60 H2     0.24       • at AC     9 35 ms       • at AC     7 13 ms       acring time     10 15 ms       control version of the switch operating mechanism     Marking circuit       number of NC contocts for auxiliary contacts     1       number of NC contocts for auxiliary contacts     1       operational current at AC-12 maximum     10 A       operational current at AC-15     10 A       • at 300 V rated value     2 A       • at 600 V rated value     3 A       • at 600 V rated value     1 A       operational current at AC-12     10 A       • at 600 V rated value     1 A       • at 600 V rated value     1 A       • at 200 V rated value     1 A       • at 200 V rated value     1 A       • at 200 V rated value     2 A       • at 200 V rated value     1 A       • at 200 V rated value     1 A       • at 200 V rated value     1 A <td></td> <td></td>		
a it 50 Hz     44 VA       a it 60 Hz     44 VA       Inductive power factor with the holding power of the coll     0.24       a it 60 Hz     0.24       closing dolay     0.24       • at AC     9 35 ms       opening delay     0.15 ms       • at AC     7 13 ms       arcing time     10 15 ms       control version of the switch operating mechanism     10 15 ms       control version of the switch operating mechanism     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-156     1       • at 200 V rated value     1A       operational current at DC-12     1A       • at 400 V rated value     1A       operational current at DC-12     1A       • at 400 V rated value     1A       operational current at DC-12     1A       • at 400 V rated value     1A       • at 220 V rated value     1A       • at 230 V rated value     1A       • at 24 V rated value     1A       • at 250 V rated value     1A       • at 260 V rated value     1A       • at		0.81
• at 60 Hz     44 VA       Inductive power factor with the holding power of the coll     0.24       • at 60 Hz     0.24       closing delay     9 35 ms       • at AC     7 13 ms       • at Contol version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     10 15 ms       operational current at AC-15     1       • at 230 V rated value     10 A       • at 240 V rated value     2 A       • at 300 V rated value     1 A       • at 600 V rated value     1 A       • at 60 V rated value     1 A		
inductive power factor with the holding power of the coll       0.24         • at 60 Hz       0.24         • at 60 Hz       0.24         • closing delay       • at AC         • at AC       9 35 ms         opening delay       • at AC         • at AC       7 13 ms         arcing time       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxiliary circuit       10         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at DC-12       0 420 V rated value         • at 200 V rated value       1A         operational current at DC-12       0 420 V rated value         • at 600 V rated value       1A         operational current at DC-12       0 420 V rated value         • at 450 V rated value       1A         operational current at DC-12       0 420 V rated value         • at 20 V rated value       1A         operational current at DC-13       0 440 V rated value         • at 20 V rated value       1A         • at 20 V rated value       1A         • at 20 V rated val		
coil       0.24         • at 60 Hz       0.24         closing delay       0.24         • at AC       935 ms         opening delay       1         • at AC       935 ms         arcing time       1015 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxiliary directat       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       0.4         operational current at AC-12 maximum       10 A         et at 500 V rated value       3 A         et at 500 V rated value       1 A         operational current at AC-12 maximum       10 A         et at 600 V rated value       5 A         et at 80 V rated value       5 A         et at 80 V rated value       1 A		4.4 VA
• at 50 Hz         0.24           • at 60 Hz         0.24           closing delay         935 ms           • at AC         713 ms           arcing time         1015 ms           control version of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         1015 ms           number of NC contacts for auxillary contacts         1           nistantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         1           • at 230 V rated value         3 A           • at 600 V rated value         2 A           • at 600 V rated value         2 A           • at 600 V rated value         6 A           • at 10 V rated value         1 A           operational current at DC-12         • at 48 V rated value           • at 230 V rated value         1 A           operational current at DC-13         • at 600 V rated value           • at 24 V rated value         1 A           • at 250 V rated value         1 A           • at 24 V rated value         1 A           • at 250 V rated value         0 A           • at 24 V rated value         2 A           • at 24 V rated		
• at 80 Hz     0.24       closing delay     9 35 ms       opening delay     7 13 ms       • at AC     7 13 ms       arcing time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     10A       operational current at AC-15     1       • at 200 V rated value     10A       operational current at AC-15     10A       • at 400 V rated value     3A       • at 600 V rated value     2A       • at 600 V rated value     1A       operational current at AC-12 maximum     10A       operational current at AC-12 maximum     10A       • at 400 V rated value     2A       • at 600 V rated value     2A       • at 600 V rated value     1A       operational current at DC-12     •       • at 80 V rated value     6A       • at 60 V rated value     6A       • at 60 V rated value     2A       • at 60 V rated value     2A       • at 60 V rated value     0.15 A       operational current at DC-13     •       • at 60 V rated value     2A       • at 60 V rated value     0.15 A       operational current fL-13     •       • at 60 V rated value     0.16 A       • at 10 V		0.24
closing delay       935 ms         opening delay       935 ms         et AC       713 ms         arcing time       1015 ms         control version of the switch operating mechanism       Standard A1 - A2         Atxitiary circuit       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       1         • at 300 V rated value       2 A         • at 600 V rated value       2 A         • at 600 V rated value       1 A         operational current at AC-12       10 A         operational current at AC-15       • at 600 V rated value         • at 600 V rated value       1 A         operational current at DC-12       • at 24 V rated value         • at 25 V rated value       6 A         • at 20 V rated value       1 A         operational current at DC-13       • at 22 V rated value         • at 20 V rated value       1 A         • at 20 V rated value       1 A         • at 20 V rated value       2 A         • at 20 V rated value       2 A         • at 20 V rated value       1 A         • at 20 V rated value       2 A         • at 20 V rated		
• et AC     935 ms       opening delay     713 ms       arcing time     1015 ms       control version of the switch operating mechanism     Standard A1 - A2       Number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 200 V rated value     3 A       • at 300 V rated value     10 A       • at 400 V rated value     1 A       operational current at DC-12     • at 400 V rated value       • at 400 V rated value     1 A       operational current at DC-12     • at 400 V rated value       • at 60 V rated value     6 A       • at 60 V rated value     6 A       • at 10 V rated value     1 A       • at 22 V rated value     1 A       • at 24 V rated value     2 A       • at 25 V rated value     1 A       • at 26 V rated value     2 A       • at 27 V rated value     10 A       • at 28 V rated value     2 A       • at 29 V rated value     2 A       • at 20 V rated value     2 A       • at 20 V rated value     2 A       • at 20 V rated value     10 A       • at 20 V rated value     2 A       • at 60 V rated value		0.27
opening delay        if AC <ul> <li>at AC</li> <li>T13 ms</li> <li>arcing time</li> <li>1015 ms</li> </ul> <li>Standard A1 - A2</li> <li>Auxiliary contacts</li> <li>instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>et 230 V rated value</li> <li>10 A</li> <li>operational current at AC-15</li> <li>et 230 V rated value</li> <li>at 690 V rated value</li> <li>at 680 V rated value</li> <li>at 680 V rated value</li> <li>at 10 A</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 124 V rated value</li> <li>at 124 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 250 V rated value</li> <li>at 260 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>bit 28 V rated value</li> <li>bit 28 V rated value</li> <li>at 28 V rated value</li> <li>a</li>		0. 25 mg
• ei AC     7 13 ms       arcing time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       operational current at AC-12 maximum     10 A       operational current at AC-15     •       • at 230 V rated value     10 A       • at 230 V rated value     10 A       • at 690 V rated value     2 A       • at 690 V rated value     1 A       operational current at DC-12     •       • at 230 V rated value     10 A       • at 480 V rated value     10 A       • at 490 V rated value     6 A       • at 10 V rated value     6 A       • at 10 V rated value     0.15 A       operational current at DC-13     0.16 A       • at 60 V rated value     0.16 A       • at 22 V rated value     0.16 A       • at 60 V rated value     0.16 A <td></td> <td>9 00 IIIS</td>		9 00 IIIS
arcing time       10 15 ms         control version of the switch operating mechanism       Standard A1 - A2         Avxillary circuit       instantaneous contact         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 230 V rated value       3 A         • at 600 V rated value       3 A         • at 600 V rated value       10 A         operational current at DC-12       •         • at 840 V rated value       10 A         • at 840 V rated value       6 A         • at 840 V rated value       6 A         • at 840 V rated value       0.15 A         operational current at DC-13       •         • at 600 V rated value       0 A         • at 600 V rated value       0 A         • at 82 V rated value       0.15 A         operational current at DC-13       •         • at 84 V rated value       0 A         • at 80 V rated value       0 A         • at 80 V rated value       0 A         • at 20 V rated value       0 A         • at 60 V rated value		7 10
control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     instantaneous contact       number of NC contacts for auxiliary contacts     1       operational current at AC-12 maximum     10 A       operational current at AC-15     10 A       • at 230 V rated value     10 A       • at 600 V rated value     2 A       • at 600 V rated value     10 A       operational current at DC-12     10 A       • at 600 V rated value     6 A       • at 60 V rated value     6 A       • at 60 V rated value     10 A       • at 60 V rated value     10 A       • at 61 V rated value     6 A       • at 62 V rated value     10 A       • at 62 V rated value     10 A       • at 62 V rated value     10 A       • at 60 V rated value     10 A       • at 60 V rated value     10 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     10 A       • at 22 V rated value     10 A       • at 24 V rated value     10 A       • at 24 V rated value     10 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     10 A       • at 22 V rated value		
Auxiliary circuit       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       10 A         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 230 V rated value       3 A         • at 500 V rated value       2 A         • at 600 V rated value       1 A         operational current at DC-12       10 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 22 V rated value       10 A         • at 25 V rated value       10 A         • at 25 V rated value       10 A         • at 60 V rated value       6 A         • at 22 V rated value       1 A         • at 22 V rated value       1 A         • at 22 V rated value       10 A         • at 60 V rated value       2 A         • at 60 V rated value       10 A         • at 60 V rated value       1 A         • at 60 V rated value       1 A         • at 60 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings <td></td> <td></td>		
number of NC contacts for auxiliary contacts       1         instantaneous contact       10 A         operational current at AC-15       10 A         • at 200 V rated value       3 A         • at 600 V rated value       2 A         • at 600 V rated value       10 A         operational current at DC-12       10 A         • at 600 V rated value       10 A         • at 600 V rated value       6 A         • at 72 V rated value       6 A         • at 80 V rated value       6 A         • at 10 V rated value       6 A         • at 10 V rated value       6 A         • at 10 V rated value       10 A         • at 80 V rated value       10 A         • at 80 V rated value       10 A         • at 10 V rated value       10 A         • at 20 V rated value       2 A         • at 100 V rated value       2 A         • at 60 V rated value       2 A         • at 48 V rated value       2 A         • at 20 V rated value       2 A         • at 20 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         ULCSA ratings       full-load current (FLA) for 3-phase AC motor	·	Standard A1 - A2
instantaneous contact       0 A         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 230 V rated value       10 A         • at 200 V rated value       3 A         • at 500 V rated value       2 A         • at 690 V rated value       10 A         • at 690 V rated value       10 A         • at 690 V rated value       6 A         • at 49 V rated value       6 A         • at 49 V rated value       6 A         • at 49 V rated value       6 A         • at 10 V rated value       6 A         • at 220 V rated value       10 A         • at 48 V rated value       2 A         • at 24 V rated value       10 A         • at 48 V rated value       2 A         • at 100 V rated value       2 A         • at 100 V rated value       0.3 A         • at 250 V rated value       0.14         contact reliability of auxiliary contacts       1 faulty switching per 100 mill		
operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 24 V rated value         • at 25 V rated value         • at 24 V rated value         • at 25 V rated value         • at 26 V rated value         • at 10 V rated value         • at 10 V rated value         • at 10 V rated value         • at 125 V rated value         • at 125 V rated value         • at 125 V rated value         • at 100 V rated value         • at 100 V rated value         • at 400 V rated value         • at 600 V rated value         • at 600 V rated value <td></td> <td>1</td>		1
• at 230 V rated value     10 A       • at 400 V rated value     3 A       • at 650 V rated value     2 A       • at 650 V rated value     1 A       operational current at DC-12     10 A       • at 24 V rated value     6 A       • at 60 V rated value     6 A       • at 60 V rated value     6 A       • at 10 V rated value     6 A       • at 25 V rated value     2 A       • at 25 V rated value     2 A       • at 25 V rated value     2 A       • at 26 V rated value     2 A       • at 26 V rated value     2 A       • at 26 V rated value     10 A       • at 60 V rated value     2 A       • at 60 V rated value     0.15 A       operational current at DC-13     10 A       • at 60 V rated value     2 A       • at 60 V rated value     0.9 A       • at 20 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       ULCSA ratings     10UI-LOSA ratings       full-load current (FLA) for 3-phase AC motor     6.1 A       • at 600 V rated value     6.1 A       • at 600 V rated value <td>operational current at AC-12 maximum</td> <td>10 A</td>	operational current at AC-12 maximum	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       0 A         • at 48 V rated value       10 A         • at 48 V rated value       6 A         • at 60 V rated value       6 A         • at 10 V rated value       6 A         • at 10 V rated value       2 A         • at 20 V rated value       2 A         • at 20 V rated value       2 A         • at 48 V rated value       10 A         • at 48 V rated value       2 A         • at 20 V rated value       1 A         • at 600 V rated value       1 A         • at 600 V rated value       0.15 A         operational current at DC-13       •         • at 60 V rated value       2 A         • at 40 V rated value       2 A         • at 60 V rated value       0.9 A         • at 20 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 600 V rated value       <	operational current at AC-15	
• at 690 V rated value       2 A         • at 690 V rated value       1 A         operational current at DC-12       10 A         • at 24 V rated value       6 A         • at 48 V rated value       6 A         • at 60 V rated value       6 A         • at 10 V rated value       6 A         • at 22 V rated value       1 A         • at 22 V rated value       2 A         • at 22 V rated value       1 A         • at 22 V rated value       1 A         • at 22 V rated value       0.15 A         operational current at DC-13       0 A         • at 48 V rated value       2 A         • at 60 V rated value       0.9 A         • at 220 V rated value       0.3 A         • at 220 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UU/CSA ratings       1         full-bad current (FLA) for 3-phase AC motor       6.1 A         • at 600 V rated value       6.1 A         • yielded mechanical performan	<ul> <li>at 230 V rated value</li> </ul>	10 A
• at 690 V rated value1 Aoperational current at DC-12I• at 24 V rated value6 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 110 V rated value1 A• at 220 V rated value1 A• at 600 V rated value10 A• at 600 V rated value10 A• at 600 V rated value10 A• at 220 V rated value10 A• at 24 V rated value2 A• at 60 V rated value2 A• at 24 V rated value2 A• at 25 V rated value2 A• at 20 V rated value2 A• at 210 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsIfull-load current (FLA) for 3-phase AC motor4.8 A• at 480 V rated value4.8 A• at 480 V rated value6.1 Ayielded mechanical performance [hp]0.25 hp• for single-phase AC motor0.25 hp- at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	<ul> <li>at 400 V rated value</li> </ul>	3 A
operational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 20 V rated value0.15 Aoperational current at DC-130 A• at 24 V rated value10 A• at 24 V rated value0.15 Aoperational current at DC-130 A• at 24 V rated value2 A• at 24 V rated value0 A• at 25 V rated value2 A• at 20 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratings1full-load current (FLA) for 3-phase AC motor4.8 A• at 480 V rated value6.1 Ayielded mechanical performance [hp]6.1 Ayielded mechanical performance [hp]0.25 hp• at 210 V rated value0.25 hp• at 220 V rated value0.75 hp	<ul> <li>at 500 V rated value</li> </ul>	2 A
• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value10 A• at 24 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value2 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 220 V rated value0.14 A• at 800 V rated value0.14 A• at 800 V rated value0.14 A• at 600 V rated value0.14 A• at 600 V rated value0.16 A• at 600 V rated value0.17 A• at 600 V rated value0.18 A• at 200 V rated value0.19 A• at 200 V rated value0.25 hp• at 110/120 V rated value0.25 hp• at 230 V rated value0.75 hp• for 3-phase AC m	<ul> <li>at 690 V rated value</li> </ul>	1 A
• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 220 V rated value0.1 A• at 220 V rated value0.1 A• at 600 V rated value0.1 A• at 480 V rated value0.25 hp• at 480 V rated value0.25 hp• at 110/120 V rated value0.25 hp• at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	operational current at DC-12	
• at 80 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13	<ul> <li>at 24 V rated value</li> </ul>	10 A
e at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13•• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value1 A• at 60 V rated value2 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value1 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 value6.1 A• yielded mechanical performance [hp]•• for single-phase AC motor•• at 230 V rated value0.25 hp• at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	<ul> <li>at 48 V rated value</li> </ul>	6 A
e at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13Image: constraint of the state of the st	<ul> <li>at 60 V rated value</li> </ul>	6 A
• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value1 A• at 110 V rated value0.9 A• at 220 V rated value0.3 A• at 60 V rated value0.1 A• at 600 V rated value0.1 A• at 480 V rated value0.1 A• at 230 V rated value0.1 A• at 300 V rated value0.25 hp• at 110/120 V rated value0.25 hp• at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	<ul> <li>at 110 V rated value</li> </ul>	3 A
• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value1 A• at 110 V rated value0.9 A• at 220 V rated value0.3 A• at 60 V rated value0.1 A• at 480 V rated value0.1 A• at 230 V rated value0.1 A• at 230 V rated value0.25 hp• at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	<ul> <li>at 125 V rated value</li> </ul>	2 A
• at 600 V rated value       0.15 A         operational current at DC-13       10 A         • at 24 V rated value       2 A         • at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       0.9 A         • at 220 V rated value       0.3 A         • at 600 V rated value       0.1 A	at 220 V rated value	
operational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value6.1 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.25 hp- at 230 V rated value0.75 hp• for 3-phase AC motor		
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>1 A</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 600 V rated value</li> <li>6.1 A</li> </ul> </li> <li>yielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>- at 110/120 V rated value</li> <li>0.25 hp</li> <li>- at 230 V rated value</li> <li>0.75 hp</li> <li>for 3-phase AC motor</li> </ul> </li> </ul>		
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>4.8 A</li> <li>at 600 V rated value</li> <li>6.1 A</li> </ul> </li> <li>yielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.25 hp</li> <li>at 230 V rated value</li> <li>0.75 hp</li> </ul> </li> </ul>		10 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 600 V rated value</li> <li>6.1 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.25 hp</li> <li>at 230 V rated value</li> <li>0.75 hp</li> </ul> </li> </ul>		
• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4.8 A• at 600 V rated value6.1 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.25 hp- at 230 V rated value0.75 hp		
• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4.8 A• at 600 V rated value6.1 Ayielded mechanical performance [hp]• for single-phase AC motor0.25 hp- at 110/120 V rated value0.25 hp- at 230 V rated value0.75 hp		
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>4.8 A</li> <li>at 600 V rated value</li> <li>6.1 A</li> </ul> </li> <li>yielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>- at 110/120 V rated value</li> <li>0.25 hp</li> <li>- at 230 V rated value</li> <li>0.75 hp</li> </ul> </li> </ul>		
• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4.8 A• at 600 V rated value6.1 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.25 hp- at 230 V rated value0.75 hp		
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		
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]       6.1 A         • for single-phase AC motor       0.25 hp         at 230 V rated value       0.75 hp         • for 3-phase AC motor       0.75 hp		
full-load current (FLA) for 3-phase AC motor       4.8 A         • at 480 V rated value       6.1 A         • at 600 V rated value       6.1 A         yielded mechanical performance [hp]       0.25 hp         - at 110/120 V rated value       0.25 hp         - at 230 V rated value       0.75 hp         • for 3-phase AC motor       0.75 hp		
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>6.1 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>- at 110/120 V rated value</li> <li>- at 230 V rated value</li> <li>0.25 hp</li> <li>0.75 hp</li> </ul>		
• at 600 V rated value6.1 Ayielded mechanical performance [hp]6.1 A• for single-phase AC motor0.25 hp at 110/120 V rated value0.25 hp at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp		4.0.4
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       0.75 hp		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>of or 3-phase AC motor</li> </ul> </li> </ul>		0.1 A
<ul> <li>at 230 V rated value</li> <li>o for 3-phase AC motor</li> <li>0.75 hp</li> </ul>		
for 3-phase AC motor		
		0.75 hp
— at 200/208 V rated value 1.5 hp		
	— at 200/208 V rated value	1.5 hp

	- at 220/230 V rated value	2 hn			
<ul> <li></li></ul>	— at 220/230 V rated value	2 hp 3 hp			
contact rating of auxiliary contacts according to UL         A600 / Q600           Short-circuit protection of the main circuit         -           - with type of contained in frequired         g5: 35A (690V, 100KA), abl: 20A (690V, 100KA), B588: 35A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V, 100KA), abl: 16A (690V, 100KA), abl: 16A (690V, 100KA), abl: 16A (690V, 100KA), B588: 20A (415V, 80KA) g5(2A) (690V, 100KA), abl: 16A (690V		•			
short-circuit protection           design of the fuse link           - with type of coordination 1 required           - with type of assignment 2 required           - for short circuit protection of the auxiliary switch           e for short circuit protection of the auxiliary switch           e for short circuit protection of the auxiliary switch           gc: 20A (680V.100kA), abl: 16A (680V, 100kA), BS88: 20A (415V, 80KA)           gc: 20A (680V.100kA), abl: 16A (680V, 100kA), BS88: 20A (415V, 80KA)           mounting position           function for a statistical mounting surface; can be tifted           festening method           exclusion for a statistical mounting surface; can be tifted           festening method           exclusion for a statistical mounting surface; and be tifted           for any addition for any addition for additi					
design of the fuse link         • with type of coordination 1 required         - with type of coordination 1 required      <		A0007 Q000			
for short-clicuit protection of the main circuit        with type of ocordination 1 required        with type of assignment 2 required					
with type of coordination 1 required     gC: 35A (690V, 100KA), aM: 20A (690V, 100KA), BS8: 25A (415V, 30AA)      with type of assignment 2 required     gC: 20A (690V, 100KA), aM: 16A (690V, 100KA), BS8: 20A (415V, 80KA)       installatory mounting dimensions     gC: 10 A (500 V, 1 KA)       mounting position     +/180' rotation possible on vertical mounting surface; can be tilted forward and backward by 4-22.5' on vertical mounting ratil according to DN EX 60715       is side-by-side mounting     Yes       height     58 mm       with side-by-side mounting     Yes       height     58 mm       with side-by-side mounting     58 mm       - upwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - upwards     10 mm       - ononect					
	·	aC: 254 (600)/ 100k4) aM: 204 (600)/ 100k4) BS89: 254 (415)/ 80k4)			
• for short-circuit protection of the auxiliary switch required     BickA)       Installation/mounting/dimensions     4/180* retain possible on vertical mounting surface: can be tilted forward and backward by 1% 22.5* on vertical mounting outface according to DIN EN 60715       fastening method     screw and snap on mounting outface: can be tilted forward and backward by 1% 22.5* on vertical mounting ratil according to DIN EN 60715       * side-by-side mounting     Yes       height     58 mm       width     45 mm       depth     73 mm       required spacing     0 mm       • with side-by-side mounting     10 mm       - drowards     10 mm       - ord large an control c					
• for short-dract 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 froward and backward by +/-22.5° on vertical mounting surface;           fastening method         screw and snap on mounting out 0 35 mm standard mounting rail accounding to DI EN 60715           • side-by-side mounting         Yes           • width         45 mm           • depth         73 mm           required spacing         • with side-by-side mounting           • downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - for live parts         10 mm           - forwards         10 mm           - downwards         10 mm           - downwards         10 mm           - for live parts         10 mm           - for live parts         10 mm           - for wards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         6 mm           - sold         5 crew-type terminals	- with type of assignment 2 required				
required           Installation functions           mounting position           fastening method           • side-by-side mounting           • side-by-side mounting           Yes           height           width           46 pth           73 mm           required spacing           • with side-by-side mounting           - forwards           - upwards           10 mm           - upwards           0 mm           - downwards           10 mm           - upwards           10 mm           - upwards           10 mm           - downwards           10 mm           - upwards           10 mm           - downwards           10 mm           - of rowaids           10 mm <td><ul> <li>for short-circuit protection of the auxiliary switch</li> </ul></td> <td>,</td>	<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	,			
mounting position         +/190° rotation possible on vertical mounting avriace; can be tilled forward and backward by +/2.22 is crew and snap-on mounting onto 35 mm standard mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DN EN 60715           • eide-by-side mounting         Yes           height         58 mm           width         45 mm           / depth         73 mm           required spacing         0 mm           - forwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - downwards         10 mm           - solid or standed         6 mm           - solid or standed         6 mm <t< td=""><td></td><td><b>o</b> ( <i>'</i> , ,</td></t<>		<b>o</b> ( <i>'</i> , ,			
fastening method         forward and backward by ++ 22.5° on vertical mounting surface           fastening method         scording to DIN EN 60715           • side-by-side mounting         Yes           height         58 mm           width         45 mm           depth         73 mm           required spacing         73 mm           • with side-by-side mounting         0 mm           - upwards         10 mm           - upwards         10 mm           - downwards	Installation/ mounting/ dimensions				
	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface			
height       68 mm         width       45 mm         depth       73 mm         required spacing       73 mm         • with side by-side mounting       73 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - forwards       10 mm         - of reaxiliary and control circuit       screw-type terminals         screw-type terminals	fastening method				
width         45 mm           depth         73 mm           required spacing         73 mm           • with side-by-side mounting         73 mm           - forwards         10 mm           - growards         10 mm           - downwards         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           fype of contectable conductor cross-sections         6 mm           • for main current circuit         screw-type terminals           scl or standed         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	side-by-side mounting	Yes			
depth       73 mm         required spacing       73 mm         • with side-by-side mounting       10 mm         - downwards       10 mm         - upwards       10 mm         - at the side       0 mm         • for grounded parts       0 mm         - at the side       0 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         - solid control circuit       screw-type terminals         or main current circuit       screw-type terminals         of magnet coil       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - solid stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²	height	58 mm			
required spacing         • with side-by-side mounting         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - browards       10 mm         - powards       10 mm         - at the side       0 mm         - browards       10 mm         - powards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - upwards       10 mm         - downwards       10 mm         - solid or main current circuit       screw-type terminals         stractor for auxiliary and control circuit       screw-type terminals         store down and contacts       solid         - solid       - solid       Screw-type terminals         screw-type terminals       Screw-type terminals         sof magnet coil<	width	45 mm			
with side-by-side mounting         — forwards         — forwards         — downwards         10 mm         — downwards         10 mm         — downwards         10 mm         — downwards         10 mm         — at the side         0 mm         — forwards         10 mm         — at the side         0 mm         — forwards         10 mm         — upwards         10 mm         — downwards         10 mm         — at the side         6 mm         — downwards         10 mm         — upwards         10 mm         — downwards         10 mm         — downwards         10 mm         — downwards         10 mm         — downwards         10 mm         — upwards         10 mm         — downwards         10 mm         — upwards         10 mm <ul>                 upwards                upwards                upwards                upwards                upwards               upwards               upwards</ul>	depth	73 mm			
forwards     10 mm       upwards     10 mm       downwards     10 mm       at the side     0 mm       forwards     10 mm       downwards     10 mm       downwards     10 mm       downwards     10 mm       downwards     10 mm       forwards     10 mm       downwards     10 mm       downwards     10 mm       forwards     10 mm       downwards     10 mm       atthe side     6 mm       Connections/ trominals     Screew-type terminals       sof main contacts     2x	required spacing				
upwards10 mm downwards00 mm at the side0 mmof or grounded parts0 mm forwards10 mm upwards10 mm upwards0 mm downwards10 mm at the side6 mmConnectione/Terminalsscrew-type terminalsof maxiliary and control circuitscrew-type terminalsof magnet coilScrew-type terminalsof magnet coilScrew-type terminalsof addition contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² solid or stranded0.5 2.5 mm² solid or stranded0.5 4 mm² solid o	, .				
- downwards     10 mm       - at the side     0 mm       • for grounded parts     10 mm       - forwards     10 mm       - upwards     10 mm       - at the side     6 mm       - downwards     10 mm       - downwards     10 mm       - forwards     10 mm       - downwards     10 mm       - forwards     10 mm       - downwards     10 mm       - for auxiliary and control circuit     screw-type terminals       stranded vitor circuit     screw-type terminals       • of magnet coil     Screw-type terminals       type of connectable conductor cross-sections     • for main contacts       - solid     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> - solid vit core end processing     2x (0.5 1.5 mm <sup>2</sup> ), 2x	— forwards	10 mm			
at the side     0 mm       • for grounded parts     forwards       forwards     10 mm       upwards     10 mm       at the side     6 mm       at the side     6 mm       downwards     10 mm       forwards     10 mm       forwards     10 mm       forwards     10 mm       forwards     10 mm       downwards     10 mm       downwards     10 mm       at the side     6 mm       Connections/ Terminals     5 mm       • for nain current circuit     screw-type terminals       • for main current circuit     screw-type terminals       • for main current circuit     screw-type terminals       • for main contacts     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     0.5 4 mm²       • solid or stranded     0.5 4 mm²       • solid or stranded     0.5 4 mm²       • solid or stranded     0.5 4 mm² <td>— upwards</td> <td>10 mm</td>	— upwards	10 mm			
• for grounded parts       -         - forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         • for live parts       -         - forwards       10 mm         - forwards       10 mm         - forwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connections/ Torminals       5 mm         type of connectable conductor crost       Screw-type terminals         • for main contacts       screw-type terminals         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup>	— downwards	10 mm			
- forwards       10 mm         - upwards       0 mm         - at the side       6 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at he side       6 mm         Connections/Terminals       screw-type terminals         type of electrical connection       screw-type terminals         • for main contacts       Screw-type terminals         - solid       Screw-type terminals         - solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - finely stranded with core end processing       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • solid       0.5 4 mm <sup>2</sup> • stranded       0.5 4 mm <sup>2</sup>	— at the side	0 mm			
upwards     10 mm       at the side     6 mm       downwards     10 mm       forwards     10 mm       forwards     10 mm       forwards     10 mm       upwards     10 mm       at the side     6 mm       Connections/ Terminals     6 mm       type of electrical connection     6 mm       for main current circuit     screw-type terminals       or auxiliary and control circuit     screw-type terminals       or main current circuit     screw-type terminals       or main current circuit     screw-type terminals       or auxiliary and control circuit     screw-type terminals       or main contacts     solid       solid     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup> solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup> solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup> solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup> solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       solid or stranded     0.5 4 mm <sup>3</sup> solid or stranded     0.5 4 mm <sup>3</sup> solid or stranded     0.5 4 mm <sup>3</sup> solid or stranded     0.5 2.5 mm <sup>3</sup> <td><ul> <li>for grounded parts</li> </ul></td> <td></td>	<ul> <li>for grounded parts</li> </ul>				
- at the side       6 mm         - downwards       10 mm         - for live parts       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connections/Terminals         Connection circuit         • for main current circuit       screw-type terminals         • for main current 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         • for main contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> - finely stranded with core end processing       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • at AWG cables for main contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • at AWG cables for main contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • solid       0.5 4 mm <sup>2</sup> • solid       0.5 4 mm <sup>2</sup> • solid or stran	— forwards				
downwards     10 mm       • for live parts     10 mm       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       • for auxiliary and control circuit     screw-type terminals       • of magnet coil     Screw-type terminals       • for auxiliary contacts     Screw-type terminals       • of magnet coil     Screw-type terminals       • for auxine contacts     Screw-type terminals       • a solid     0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> • for auxine contacts     Screw-type terminals       • a tAWG cables for main contacts <td></td> <td></td>					
<ul> <li>for live parts         <ul> <li>forwards</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>m</li> <li>downwards</li> <li>m</li> <li>at the side</li> <li>m</li> </ul> </li> <li>Connections/Terminals</li> <li>type of electrical connection         <ul> <li>for main current circuit</li> <li>screw-type terminals</li> <li>of or main current circuit</li> <li>screw-type terminals</li> <li>of magnet coil</li> </ul> </li> <li>screw-type terminals</li> <ul> <li>of magnet coil</li> </ul> <ul> <li>Screw-type terminals</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>of screw-type terminals</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>screw-type terminals</li></ul></ul>	— at the side	6 mm			
forwards       10 mm         upwards       10 mm         downwards       10 mm         downwards       10 mm         at the side       6 mm          6 mm         connections/ Terminals         • for main current 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       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - solid vith core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • at AWG cables for main contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • solid       0.5 4 mm²         • solid       0.5 4 mm²         • solid       0.5 4 mm²         • solid or stranded       0.5 2.5 mm²         • solid or stranded       0.5 2.5 m		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         • for auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       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       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • at AWG cables for main contacts       2x (20 16), 2x (18 14), 2x 12         • connectable conductor cross-section for main contacts       0.5 4 mm²         • solid       0.5 4 mm²         • solid       0.5 4 mm²         • solid or stranded       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • solid or stranded <t< td=""><td></td><td></td></t<>					
- downwards     10 mm       - at the side     6 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     screw-type terminals       • to raxiliary 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     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (0,5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (0,5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (20 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       • at AWG cables for main contacts     2x (20 1.5 mm²), 2x (0.75 2.5 mm²)       • at AWG cables for main contacts     2x (20 16), 2x (18 14), 2x 12       • connectable conductor cross-section for main contacts     2x (20 16), 2x (18 14), 2x 12       • solid     0.5 4 mm²       • solid or stranded     0.5 2.5 mm²       • solid or stranded     0.5 2.5 mm²       • solid or stranded     0.5 2.5 mm² <t< td=""><td></td><td></td></t<>					
at the side     6 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     screw-type terminals       • at contactor for auxiliary contacts     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     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       - solid or stranded     2x (20 16), 2x (18 14), 2x 12       connectable conductor cross-section for main contacts     2x (20 16), 2x (18 14), 2x 12       connectable conductor cross-section for main contacts     0.5 4 mm²       • solid     0.5 4 mm²       • stranded     0.5 4 mm²       • stranded     0.5 2.5 mm²       • solid or stranded     0.5 4 mm²       • solid or stranded     0.5 2.5 mm²	— upwards	10 mm			
Connections/ Terminals         type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxillary contacts         • of magnet coil         type of connectable conductor cross-sections         • for main contacts         - solid         - solid or stranded         - finely stranded with core end processing         • at AWG cables for main contacts         2x (20 16), 2x (18 14), 2x 12         connectable conductor cross-section for main contacts         • at AWG cables for main contacts         • solid         • solid         • at AWG cables for main contacts         • solid         • solid or stranded         • solid or stranded         • solid or stranded         • solid or stranded         • finely stranded with core end processing         • solid or stranded         • solid or stranded         • solid or stranded         • finely stranded with core end processing <td></td> <td>10 mm</td>		10 mm			
type of electrical connection• for main current circuit• for auxiliary and control circuit• at contactor for auxiliary contacts• at contactor for auxiliary contacts• of magnet coiltype of connectable conductor cross-sections• for main contacts- solid- solid or stranded- finely stranded with core end processing• at AWG cables for main contacts• at AWG cables for main contacts2 connectable conductor cross-section for main contacts- solid- solid- finely stranded with core end processing• at AWG cables for main contacts2 connectable conductor cross-section for main contacts• solid• solid• solid• solid• solid• solid• finely stranded with core end processing• finely stranded with core end processing• solid0.5 4 mm²• finely stranded with core end processing0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing0.5 4 mm²• solid or stranded• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing• finely stranded with core end processing0.5 2.5 mm²<		6 mm			
screw-type terminals• for main current circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• of main contactsScrew-type terminals• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• f	Connections/ Terminals				
• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of main contactsScrew-type terminals• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2	type of electrical connection				
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>Screw-type termina</li></ul>	<ul> <li>for main current circuit</li> </ul>	screw-type terminals			
• of magnet coilScrew-type terminalstype of connectable conductor cross-sections • for main contacts — solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2 x (0.75 2.5 mm²)• at AWG cables for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2 x (0.75 2.5 mm²)• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm² 0.5 4 mm²• solid0.5 4 mm² 0.5 2.5 mm²• finely stranded with core end processing • finely stranded with core end processing0.5 2.5 mm²• solid or stranded • finely stranded with core end processing0.5 2.5 mm²• solid or stranded • finely stranded with core end processing0.5 2.5 mm²• solid or stranded • finely stranded with core end processing0.5 2.5 mm²• solid or stranded • finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²	<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals			
type of connectable conductor cross-sections• for main contacts- solid- solid or stranded- finely stranded with core end processing• at AWG cables for main contacts• at AWG cables for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• at AWG cables for main contacts2x (20 10), 2x (0.75 2.5 mm²), 2x 4 mm²• solid• solid• solid• stranded• finely stranded with core end processing• finely stranded with core end processing0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing0.5 2.5 mm²• solid or stranded• finely stranded with core end processing• for auxiliary contacts	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals			
• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²thinly stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²	-	Screw-type terminals			
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finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²connectable conductor cross-section for auxiliary contacts0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²	— solid				
• at AWG cables for main contacts2x (20 16), 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²connectable conductor cross-section for auxiliary contacts0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²					
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contacts	<ul> <li>at AWG cables for main contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12			
• stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²connectable conductor cross-section for auxiliary contacts0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections • for auxiliary contacts0.5 2.5 mm²					
• finely stranded with core end processing0.5 2.5 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections • for auxiliary contacts0.5 2.5 mm²	• solid				
connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       • for auxiliary contacts					
contacts     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 2.5 mm <sup>2</sup> type of connectable conductor cross-sections     • for auxiliary contacts		0.5 2.5 mm <sup>2</sup>			
finely stranded with core end processing     0.5 2.5 mm <sup>2</sup> type of connectable conductor cross-sections     o for auxiliary contacts	contacts				
type of connectable conductor cross-sections       • for auxiliary contacts					
for auxiliary contacts	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²			
	type of connectable conductor cross-sections				
solid or stranded 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>	-				
	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²			

<ul> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul>		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12				
	led connectable cond	luctor cross	·			
for main contacts		20 12				
<ul> <li>for auxiliary con</li> </ul>	itacts		20 12			
Safety related data						
product function						
	ccording to IEC 60947		Yes	•		
	emand rate according t	o SN 31920	1 000 000			
proportion of dange		21020	40.9/			
	d rate according to SN nd rate according to SN		40 % 73 %			
	low demand rate accord		100 FIT			
	t interval or service life	according to	20 y			
protection class IP c 60529	on the front according	to IEC	IP20			
touch protection on	the front according to	DIEC 60529	finger-sa	fe, for vertical con	tact from the front	
suitability for use						
<ul> <li>safety-related s</li> </ul>	-		Yes			
Certificates/ approval	s					
General Product Ap	proval					
() ()	<u>Confirmation</u>	<b>()</b>		(Ψ	<u>KC</u>	EAC
EMC	Functional Safety/Safety of Machinery	Declaration o	of Conform	nity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	UK CA		CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping						
ABS	BUREAU VERITAS			Lloyd's Register urs	PRS	RINA
Marine / Shipping	other					
RARS RARS	<u>Confirmation</u>		,	<u>Confirmation</u>		
Further information         Information- and Downloadcenter (Catalogs, Brochures,)         https://www.siemens.com/ic10         Industry Mall (Online ordering system)         https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-1AK62         Cax online generator						

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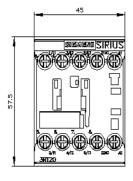
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-1AK62&lang=en

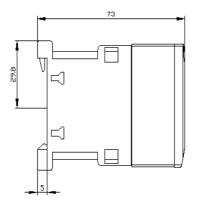
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

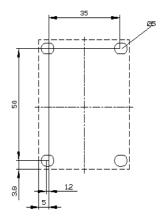
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AK62/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AK62&objecttype=14&gridview=view1







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