# SIEMENS

#### Data sheet

### 3RT1056-6SP36



power contactor, AC-3e/AC-3 185 A, 90 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V x (0.8-1.1) F-PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	39 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	13 W
<ul> <li>without load current share typical</li> </ul>	2.8 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
of main circuit rated value	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Perfluorbutansulfonsäure (PFBS) und ihre
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	

during operation	-25 +60 °C
during operation     orge	-25 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
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>	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	215 A
• at AC-1	245 A
— up to 690 V at ambient temperature 40 °C rated value	215 A
— up to 690 V at ambient temperature 60 °C rated value	185 A
— up to 1000 V at ambient temperature 40 $^\circ \text{C}$ rated value	100 A
<ul> <li>— up to 1000 V at ambient temperature 60 °C rated value</li> <li>at AC-3</li> </ul>	100 A
• at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
• at AC-3e	05 A
- at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
• at AC-4 at 400 V rated value	160 A
• at AC-5a up to 690 V rated value	189 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	153 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	157 A
— up to 400 V for current peak value n=20 rated value	157 A
— up to 500 V for current peak value n=20 rated value	157 A
— up to 690 V for current peak value n=20 rated value	157 A
— up to 1000 V for current peak value n=20 rated value value	65 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	105 A
— up to 400 V for current peak value n=30 rated value	105 A
— up to 500 V for current peak value n=30 rated value	105 A
— up to 690 V for current peak value n=30 rated value	105 A
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	65 A
minimum cross-section in main circuit at maximum AC-1 rated value	95 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	81 A
• at 690 V rated value	65 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A

<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	160 A
— at 60 V rated value	7.5 A
— at 110 V rated value	2.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-2 at 400 V rated value	90 kW
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC- 4	
at 400 V rated value	45 kW
• at 690 V rated value	65 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	60 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	100 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	130 000 VA
• up to 690 V for current peak value n=20 rated value	180 000 VA
• up to 1000 V for current peak value n=20 rated value	110 000 VA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	40 000 VA

<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	70 000 VA			
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	90 000 VA			
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	120 000 VA			
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 VA			
short-time withstand current in cold operating state up to 40 °C				
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	2 900 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 084 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	1 480 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	968 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	801 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	1 000 1/h			
• at DC	1 000 1/h			
operating frequency				
• at AC-1 maximum	750 1/h			
• at AC-2 maximum	300 1/h			
• at AC-3 maximum	750 1/h			
• at AC-3e maximum	750 1/h			
• at AC-4 maximum	130 1/h			
Control circuit/ Control	10/20			
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC	200 277 \/			
at 50 Hz rated value	200 277 V			
at 60 Hz rated value	200 277 V			
<ul> <li>control supply voltage at DC</li> <li>rated value</li> </ul>	200 277 V			
operating range factor control supply voltage rated value of	200 211 V			
magnet coil at DC				
• initial value	0.8			
• full-scale value	1.1			
operating range factor control supply voltage rated value of magnet coil at AC				
• at 50 Hz	0.8 1.1			
• at 60 Hz	0.8 1.1			
type of PLC-control input according to IEC 60947-1	Type 1			
consumed current at PLC-control input according to IEC 60947-1 maximum	14 mA			
voltage at PLC-control input rated value	24 V			
operating range factor of the voltage at PLC-control input	0.8 1.1			
design of the surge suppressor	with varistor			
apparent pick-up power				
at minimum rated control supply voltage at AC				
— at 50 Hz	190 VA			
— at 60 Hz	190 VA			
at maximum rated control supply voltage at AC	000 \/A			
— at 60 Hz	280 VA			
— at 50 Hz	280 VA			
apparent pick-up power of magnet coil at AC	280.1/4			
• at 50 Hz	280 VA			
at 60 Hz  inductive power factor with closing power of the coil	280 VA			
inductive power factor with closing power of the coil • at 50 Hz	0.8			
• at 50 Hz • at 60 Hz	0.8			
apparent holding power				
apparent notaring power     or at minimum rated control supply voltage at DC	2.1 VA			
at maximum rated control supply voltage at DC     at maximum rated control supply voltage at DC	2.8 VA			
apparent holding power				
at minimum rated control supply voltage at AC				
— at 50 Hz	3.5 VA			
— at 60 Hz	3.5 VA			
at maximum rated control supply voltage at AC				
at manine in the control supply tolinge at he				

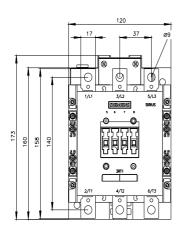
	— at 50 Hz	4.8 VA
apper holding powe of magnet cell at AC#• ± 50 Hz4.8 VA• ± 50 Hz4.8 VA• ± 50 Hz0.6• ± 50 Hz0.6• ± 50 Hz0.6• ± 60 Hz0.6Cosing power of magnet cell at DC2.2 W• ± 10 Hz0.7 Sm S• ± 10 Hz0.7 Sm S• ± 10 C0.7 Sm S• ± 10 C0.1 Sm S• ± 10 C155 130 mS• ± 10 C10 15 mS		
• • • • 00 hz48 VA• • • • 00 hz48 VA• • • • 00 hz48 VA• • • 00 hz48 VA• • • 00 hz08• • • 00 hz08• • • 00 hz08• • • 00 hz08 V• • 00 hz00 V• • 00 hz115 130 ms• • 00 hz115 130 ms• • 00 hz01 hz• • • 00 hz01 hz• • 00 hz01 hz• • 01 hz01 hz <tr< td=""><td></td><td></td></tr<>		
• #180 Hg48 VAInductive power fact with the holding power of the cell8• #180 Hg0.8• #180 Hg0.8• #180 Hg28 W• #180 Hg0.75 m is• #180 Hg0.75 m is• #180 Hg0.75 m is• #180 Hg155130 ms• #180 Hg165150 mg• #180 Hg164150 mg• #180 Hg164		4.8.1/4
Inductive power factor with the holding power of the coll0.8• # 100 Hz0.8Cleasing power of magnet coll at DC28 WCleasing power of magnet coll at DC28 Wcleasing power of magnet coll at DC28 Wcleasing delay0 75 ms• # 1.4 C00 75 ms• # 1.4 C115 130 ms• # 1.4 C115 130 ms• # 1.4 C115 130 ms• # 1.4 C12 S• # 1.4 C12 S• # 1.4 C12 S• # 1.4 C13 ms• # 1.4 C13 ms• # 1.4 C13 ms• # 1.4 C13 ms• # 1.4 C14 S• # 1.4 C10 15 msControl version of the switch operating mechanism2Power factor version of the version operation current at AC-12 maxim10 Aoperational current at DC-13-• # 12 V rated value10 A• # 13 V rated value10 A• # 14 V rated value <td></td> <td></td>		
• • # 50 Hz0.6• • # 50 Hz0.6 No.• • # 50 Hz0.6 No.• • # 50 Hz0.2 N W• • # AC0 75 ms• • # AC15 130 ms• # IAC15 130 ms• # IAC10 15 ms• # IAC10 15 ms• # IAC I Notabels for auxiliary contacts instantaneous2• # IAC I Notabel Value0.A• # IAC I Valed Val		4.0 VA
• #18 Hz0.6closing powr of magnet coil a DC28 Wclosing deay0• #1AC0• #1AC0• #1AC115 130 ms• #1BC115 130 ms• #1DC115 130 ms• #1DC115 130 ms• #1DC115 130 ms• #1DC10 15 ms• #1DC *		
closing power of magnet coll at DC     320 W       holding power of magnet coll at DC     2.8 W       closing datay     075 ms       • at DC     6075 ms       opaning datay     15130 ms       • at DC     1615 ms       control varian of the switch operating mechanism     2       Auxiliary circum     10.A.       oparational current at AC-15     2       • at 300 V rated value     6 A       • at 300 V rated value     10 A       • at 300 V rated value     6 A       • at 300 V rated value     10 A       • at 300 V rated value     6 A       • at 300 V rated value     10 A		
holding power of mignet coil at DC         2.8 W           closing delay         0075 ms           • iL DC         0175 ms           • iL DC         115 130 ms           • iL DC         115 130 ms           • at DC         115 130 ms           cortory trains after power failure typical         2.8           arcing time         10 15 ms           control version of the switch operating mechanism         Pailaber LC input (F.PLC.IN)           Appling circuit         2           control version of the switch operating mechanism         2           portational current at AC-12 maximum         10 A           operational current at AC-12 maximum         3           • • it 300 V rated value         6 A           • • it 300 V rated value         6 A           • • it 300 V rated value         0 A           • • it 300 V rated value         0 A           • • it 300 V rated value         0 A           • • it 300 V rated value         0 A           • • it 300 V rated value         0 A           • • it 300 V rated value         0 A           • • it		
close • et AC6075 ms• et AC6075 ms• et AC6075 ms• et AC115130 ms• et AC115130 ms• et AC115130 ms• et AC115130 ms• et AC1015 ms• et AC1015 ms• et AC2 <b>avering time</b> 2• et AC1015 ms• et AC1015 ms• et AC2• et AC1015 ms• et ACO1015 ms• et ACO V rated value6.A• et ACO V rated value6.A• et ACO V rated value6.A• et ACO V rated value10.A• et ACO V rated value6.A• et ACO V rated value6.A• et ACO V rated value6.A• et ACO V rated value10.A• et ACO V rated value10.A </td <td></td> <td></td>		
• at AC60 75 ms• at DC60 75 ms• at DC115 130 ms• at DC115 15 ms• control version of the awitch operating mechanism2• at 230 viration controls for auxiliary contacts instantaneous control2• at 230 Virated value10 A• operational current at AC-12 • at 230 Virated value10 A• at 230 Virated value6 A• at 230 Virated value6 A• at 230 Virated value10 A• at 230 Virated value6 A• at 230 Virated value6 A• at 24 Virated value10 A• at 24 Virated value6 A• at 24 Virated value10 A• at 24 Virated value10 A• at 24 Virated value10 A• at 24 Virated value0.15 A• at 24 Virated value10 A• at 25 Virated value10 A• at 26 Virated value10 A• at 27 Virated value10 A• at 28 Virated value0.15 A• at 29 Virated value10 A• at 20 Virated value10 A• at 20 Virated value0.3 A• at 20 Virated value10 A <tr< td=""><td></td><td>2.8 W</td></tr<>		2.8 W
• e1 DC6075 msopening delay15130 ms• e1 AC115130 ms• e1 AC15130 ms• e1 CC15130 msencore ytim after power failure typical28.3arcing time18.1ade Pt.C. input (F-PLC-N)Auxiliary ercture2purcher of NC contects for auxiliary contacts instantaneous contact2operational current at AC-150.0.4• e1230 V trater value6.4• e1230 V trater value6.4• e1230 V trater value0.4• e1230 V trater value6.4• e1230 V trater value0.4• e1230 V trater value6.4• e1230 V trater value0.4• e1230 V trater value0.4• e1230 V trater value0.4• e1240 V trater value0.3A• e1240 V trater value0.3A• e1240 V trater value0.3A• e1240 V trater value0.3A• e1250 V trater value0.3A• e1260 V trater value1.4<		
opening delay         115 130 ms           • at DC         115 130 ms           recovery time after power failure typical         2 s           arcing time         0 15 ms           control variano of the switch operating mechanism         Fail-safe PLC input (F-PLC-IN)           Auxiliary circuit         2           number of NC contacts for auxiliary contacts instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           operational current at AC-15		
i at AC     115 130 ms       i at CC     115 130 ms       recorey time after power failure typical     2 s       arcing time     10 15 ms       control version of the switch operating mechanism     Failsafte PLC input (F.PLC-IN)       Auxiliary circuit     2       number of NC contacts for auxiliary contacts instantaneous     2       operational current at AC-12 maximum     10 A       operational current at AC-15		60 75 ms
• al DC115 130 msrecovery time after power failures typical2 sacring time0 15 nsControl version of the switch operating mechanismFail-safe PLC input (F-PLC-IN)Auxillary circuit2number of NC contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10.Aoperational current at AC-13-• at 230 Vrated value6 A• at 230 Vrated value3 A• at 300 Vrated value1Aoperational current at AC-16-• at 200 Vrated value3 A• at 200 Vrated value6 A• at 200 Vrated value3 A• at 800 Vrated value6 A• at 800 Vrated value1Aoperational current at DC-12-• at 212 Vrated value1A• at 800 Vrated value5 A• at 80 Vrated value5 A• at 80 Vrated value5 A• at 80 Vrated value1A• at 80 Vrated value1BA• at 80 Vrated value1BA• at 80 Vrated value1BA </td <td></td> <td></td>		
recovery time after power failure typical         2 s           arcing time         1015 ms           control version of the switch operating mechanism         #iside PLC input (F-PLC-IN)           Auxiliary contacts for auxiliary contacts instantaneous         2           number of NC contacts for auxiliary contacts instantaneous         2           operational current at AC-12 maximum         10.A           operational current at AC-15		
arcing time         10 15 ms           control version of the switch operating mechanism         Fail safe PLC input (F-PLC-IN)           number of NC contacts for auxiliary contacts instantaneous contact         2           number of NO contacts for auxiliary contacts instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6           at 200 V rated value         3A           at 500 V rated value         2A           at 500 V rated value         1A           operational current at AC-12         6           at 800 V rated value         1A           operational current at AC-14         6           at 800 V rated value         1A           operational current at DC-12         -           at 800 V rated value         6A           at 80 V rated value         6A           at 80 V rated value         1A           operational current at DC-12         -           at 80 V rated value         6A           at 80 V rated value         1A           operational current at DC-13         -           at 80 V rated value         2A           at 80 V rated value         0.3 A           at 120 V rated value         0.3 A		
control version of the switch operating mechanism         Fail-safe PLC input (F-PLC-IN)           Auxiliary contexts         2           contract         2           contract         2           contract         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6           ett 230 V rated value         6 A           ett 200 V rated value         2 A           ett 600 V rated value         2 A           ett 600 V rated value         6 A           ett 600 V rated value         10 A           ett 72 V rated value         10 A           ett 72 V rated value         0.1 A           ett 72 V rated value         0.1 A           ett 600 V rated value         0.1 A           ett 72 V rate	recovery time after power failure typical	2 s
Auxiliary circuit         2           number of NC contacts for auxiliary contacts instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         6 A           • at 230 V rated value         6 A           • at 230 V rated value         6 A           • at 230 V rated value         6 A           • at 300 V rated value         6 A           • at 800 V rated value         0.15 A           operational current at DC-13		
number of NC contacts for auxiliary contacts instantaneous contact         2           number of NO contacts for auxiliary contacts instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6 A           • at 200 V rated value         3 A           • at 500 V rated value         2 A           • at 600 V rated value         10 A           operational current at AC-15         6 A           • at 600 V rated value         3 A           • at 600 V rated value         6 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         6 A           • at 60 V rated value         2 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         0 A           • at 60 V rated value         0 A           •		Fail-safe PLC input (F-PLC-IN)
contact         contact for auxiliary contacts instantaneous           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         6 A           at 230 V rated value         6 A           at 400 V rated value         3 A           at 400 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 610 V rated value         0.10 A           at 610 V rated value         0.0 A           at 610 V rated value         0.10 A<	Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6 A           • at 300 V rated value         3 A           • at 400 V rated value         2 A           • at 600 V rated value         1 A           operational current at AC-12         -           • at 600 V rated value         1 A           operational current at AC-12         -           • at 600 V rated value         6 A           • at 600 V rated value         10 A           • at 600 V rated value         0.15 A           operational current at DC-13         -           • at 600 V rated value         2 A           • at 600 V rated value         0.9 A           • at 600 V rated value         0.1 A           • at 600 V rated value         0.1 A           • at 600 V rated value         0.1 A           • at 600 V rated		2
operational current at AC-15         operational current at AC-15                at 230 V rated value             at 230 V rated value             at 400 V rated value             at 400 V rated value             at 400 V rated value          3 A                at 6500 V rated value          2 A                at 6500 V rated value          1 A           operational current at DC-12                   at 24 V rated value          6 A                at 60 V rated value          6 A                at 610 V rated value          10 A                at 220 V rated value          10 A                at 600 V rated value          10 A                at 600 V rated value          10 A                at 600 V rated value          2 A                at 60 V rated value          10 A                at 60 V rated value          0.9 A                at 10 V rated value          10 A                at 220 V rated value	number of NO contacts for auxiliary contacts instantaneous	2
• at 230 V rated value         6 A           • at 400 V rated value         3 A           • at 650 V rated value         1A           • at 650 V rated value         1A           • at 650 V rated value         6 A           • at 640 V rated value         6 A           • at 64 V rated value         6 A           • at 64 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         2 A           • at 60 V rated value         0 A </td <td>operational current at AC-12 maximum</td> <td>10 A</td>	operational current at AC-12 maximum	10 A
• at 230 V rated value         6 A           • at 400 V rated value         3 A           • at 650 V rated value         1A           • at 650 V rated value         1A           • at 650 V rated value         6 A           • at 640 V rated value         6 A           • at 64 V rated value         6 A           • at 64 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         2 A           • at 60 V rated value         0 A </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	
• at 500 V rated value2 A• at 6800 V rated value1A• operational current at DC-12·• at 24 V rated value10 A• at 24 V rated value6 A• at 460 V rated value6 A• at 60 V rated value3 A• at 110 V rated value2 A• at 125 V rated value1A• at 250 V rated value1A• at 250 V rated value2 A• at 200 V rated value10 A• at 200 V rated value2 A• at 24 V rated value2 A• at 24 V rated value2 A• at 45 V rated value2 A• at 46 V rated value2 A• at 24 V rated value0.9 A• at 25 V rated value0.9 A• at 250 V rated value0.1 A• at 250 V rated value0.1 A• at 250 V rated value180 A• at 600 V rated value180 A <trr>• at 600 V rat</trr>	at 230 V rated value	6 A
• at 680 V rated value1 Aoperational current at DC-12.• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 A• at 230 V rated value0.4• at 24 V rated value2 A• at 24 V rated value0.4• at 24 V rated value0.9 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 250 V rated value0.14• at 250 V rated value0.3 A• at 260 V rated value180 A• at 270 V rated value180 A• at 480 V rated value192 A• at 480 V rated value180 A• at 480 V rated value180 A• at 480 V rated value180 A• at 600 V rated value192 A• at 600 V rated value30 h p• at 200 V rated value60 h p• at 200 V rated value60 h p• at 200 V rated value150 h p• at 400480 V rated value150 h p• at 200200 V rated value150 h p• at 200200 V rated value150 h p• at 200200 V rated value150 h p• at 400480 V rated value150 h p• at 400480 V rated value150	<ul> <li>at 400 V rated value</li> </ul>	3 A
• at 680 V rated value1 Aoperational current at DC-12.• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 A• at 230 V rated value0.4• at 24 V rated value2 A• at 24 V rated value0.4• at 24 V rated value0.9 A• at 110 V rated value0.9 A• at 125 V rated value0.3 A• at 250 V rated value0.14• at 250 V rated value0.3 A• at 260 V rated value180 A• at 270 V rated value180 A• at 480 V rated value192 A• at 480 V rated value180 A• at 480 V rated value180 A• at 480 V rated value180 A• at 600 V rated value192 A• at 600 V rated value30 h p• at 200 V rated value60 h p• at 200 V rated value60 h p• at 200 V rated value150 h p• at 400480 V rated value150 h p• at 200200 V rated value150 h p• at 200200 V rated value150 h p• at 200200 V rated value150 h p• at 400480 V rated value150 h p• at 400480 V rated value150		
operational current at DC-12           • at 24 V rated value         10 A           • at 24 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         3 A           • at 10 V rated value         2 A           • at 220 V rated value         10 A           • at 220 V rated value         10 A           • at 220 V rated value         0.15 A           operational current at DC-13		
• at 24 V rated value         10 A           • at 48 V rated value         6 A           • at 60 V rated value         6 A           • at 60 V rated value         3 A           • at 110 V rated value         2 A           • at 220 V rated value         0.15 A           • operational current at DC-13         0           • at 24 V rated value         10 A           • at 60 V rated value         2 A           • at 60 V rated value         0.9 A           • at 220 V rated value         0.3 A           • at 250 V rated value         0.3 A           • at 600 V rated value         0.14 A           • at 600 V rated value         180 A           • at 600 V rated value         30 hp           • at 600 V rated value         30 hp           • at 220/200 V rated value         30 hp           • at 220/200 V rated value         30 hp		
e at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 125 V rated value2 A• at 125 V rated value1 A• at 600 V rated value0.15 A• operational current at DC-13-• at 44 V rated value2 A• at 44 V rated value2 A• at 45 V rated value2 A• at 46 V rated value2 A• at 46 V rated value2 A• at 46 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 110 V rated value0.1 A• at 220 V rated value0.1 A• at 220 V rated value0.1 A• at 220 V rated value0.1 A• at 600 V rated value10 A• at 600 V rated value10 A• at 600 V rated value0.1 A• at 600 V rated value180 A• at 600 V rated value192 A• at 600 V rated value100 A• at 600 V rated value30 hp• for single-phase AC motor at 220/208 V rated value30 hp• for 3-phase AC motor at 220/208 V rated value50 hp- at 220/208 V rated value50 hp- at 460/480 V rated value200 hp- at 460/480 V rated value200 hp- at 460/480 V rated value300 hp <td></td> <td>10 A</td>		10 A
• at 60 V rated value         6 A           • at 110 V rated value         3 A           • at 125 V rated value         2 A           • at 220 V rated value         1 A           • at 600 V rated value         0.15 A           operational current at Dc-13         -           • at 24 V rated value         10 A           • at 48 V rated value         2 A           • at 60 V rated value         0.9 A           • at 100 V rated value         0.9 A           • at 220 V rated value         0.1 A           • at 250 V rated value         0.1 A           • at 800 V rated value         180 A           • at 800 V rated value         192 A           • at 800 V rated value         30 hp           • for 3-phase AC motor         -           - at 200 V rated value         30 hp           • for 3-phase AC motor         -           -		
• at 110 V rated value3 Å• at 125 V rated value2 Å• at 20 V rated value1 Å• at 20 V rated value0.15 Åoperational current at DC-13-• at 24 V rated value10 Å• at 24 V rated value2 Å• at 48 V rated value2 Å• at 48 V rated value2 Å• at 10 V rated value0.9 Å• at 110 V rated value0.9 Å• at 125 V rated value0.9 Å• at 20 V rated value0.1 Å• at 20 V rated value1 fault switching per 100 million (17 V, 1 mÅ)U/CSA ratings-full-load current (FLA) for 3-phase AC motor180 Å• at 480 V rated value180 Å• at 600 V rated value30 hp• at 230 V rated value30 hp• at 230 V rated value30 hp• at 480 V rated value0.9 Å• at 480 V rated value180 Å• at 480 V rated value192 Å• at 480 V rated value30 hp• at 480 V rated value30 hp• at 230 V rated value60 hp- at 230 V rated value75 hp- at 200230 V rated value60 hp- at 200230 V rated value75 hp- at 48040 V rated value200 hp- at 575/600 V rated value200 hp- at 300 V rated value200 hp		
• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13I• at 24 V rated value10 A• at 44 V rated value2 A• at 46 V rated value2 A• at 60 V rated value2 A• at 10 V rated value0.9 A• at 20 V rated value0.3 A• at 20 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value10 A• at 600 V rated value0.1 A• at 600 V rated value160 A• at 600 V rated value180 A• at 600 V rated value192 A• at 600 V rated value30 hp• for 3-phase AC motor at 200208 V rated value60 hp- at 200208 V rated value60 hp- at 200208 V rated value150 hp- at 460/480 V value150 hp- at 460/480 V rated value150 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hp		
• at 220 V rated value         1 A           • at 600 V rated value         0.15 A           operational current at DC-13         -           • at 24 V rated value         10 A           • at 24 V rated value         2 A           • at 48 V rated value         2 A           • at 60 V rated value         0.9 A           • at 125 V rated value         0.9 A           • at 220 V rated value         0.3 A           • at 200 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings		
• at 600 V rated value0.15 Aoperational current at DC-13I• at 24 V rated value10 A• at 45 V rated value2 A• at 46 V rated value2 A• at 60 V rated value0.9 A• at 125 V rated value0.9 A• at 220 V rated value0.1 A• otat 20 V rated value0.1 A• otat 00 V rated value0.1 A• at 600 V rated value1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingstul-load current (FLA) for 3-phase AC motor• at 480 V rated value180 A• at 480 V rated value192 A• of rasingle-phase AC motor192 A• at 480 V rated value30 hp• for 3-phase AC motor30 hp• at 22020 V rated value30 hp• at 22020 V rated value150 hp• at 4804 BV rated value150 hp• at 4804 BV rated value150 hp• at 4804 V rated		
operational current at DC-13ID A• 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• ontact value0.1 A• ontact value192 A• ull-load current (FLA) for 3-phase AC motor180 A• at 600 V rated value192 A• yielded mechanical performance [hp]192 A• for single-phase AC motor30 hp- at 230 V rated value30 hp• for 3-phase AC motor at 230 V rated value60 hp- at 230 V rated value150 hp- at 200/28 V rated value150 hp- at 460/480 V rated value150 hp- at 575/600 V rated value150 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hp		
• at 24 V rated value       10 A         • at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       1 A         • at 125 V rated value       0.9 A         • at 220 V rated value       0.3 A         • at 600 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         U/CSA ratings         full-load current (FLA) for 3-phase AC motor       180 A         • at 600 V rated value       180 A         • at 600 V rated value       192 A         yielded mechanical performance [hp]       -         • for single-phase AC motor       -         - at 200/208 V rated value       60 hp         - at 200/208 V rated value       60 hp         - at 200/208 V rated value       75 hp         - at 460/480 V rated value       150 hp         - at 460/480 V rated value       150 hp		
• 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)U/CSA ratings101 I-load current (FLA) for 3-phase AC motor• at 480 V rated value180 A• at 600 V rated value192 Ayielded mechanical performance [hp]• for single-phase AC motor- at 230 V rated value30 hp• for 3-phase AC motor- at 200/208 V rated value60 hp- at 200/208 V rated value150 hp- at 460/480 V rated value150 hp- at 460/480 V rated value150 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hp	-	10.4
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 ratingsJuli-Ioad current (FLA) for 3-phase AC motor• at 480 V rated value180 A• at 480 V rated value192 Ayielded mechanical performance [hp]-• for single-phase AC motor30 hp• at 230 V rated value30 hp• at 230 V rated value60 hp- at 200/208 V rated value60 hp- at 200/208 V rated value150 hp- at 460/480 V rated value200 hp		
e 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 value180 A• at 600 V rated value192 Ayielded mechanical performance [hp]-• for single-phase AC motor at 230 V rated value30 hp• for 3-phase AC motor at 200/208 V rated value60 hp- at 200/208 V rated value60 hp- at 200/208 V rated value150 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 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 ratingsUL/CSA ratings180 Aout at 480 V rated value192 A• at 480 V rated value30 hp• at 600 V rated value30 hp• for single-phase AC motor60 hp- at 230 V rated value60 hp• for 3-phase AC motor75 hp• at 200/208 V rated value60 hp• at 200/208 V rated value150 hp• at 460/480 V rated value200 hp		
• 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 ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value180 A• at 600 V rated value192 A• at 600 V rated value30 hp• for single-phase AC motor30 hp- at 230 V rated value30 hp• for 3-phase AC motor30 hp- at 200/208 V rated value60 hp- at 200/208 V rated value55 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hp		
• 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 motor180 A• at 480 V rated value180 A• at 600 V rated value30 A• at 600 V rated value30 hp• for single-phase AC motor30 hp• for single-phase AC motor60 hp• at 230 V rated value60 hp• for 3-phase AC motor75 hp• at 220/230 V rated value150 hp• at 460/480 V rated value200 hp• at 575/600 V rated valueA600 / P600		
contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor180 A• at 480 V rated value192 A• at 600 V rated value192 A• at 600 V rated value30 hp• for single-phase AC motor30 hp• at 200/208 V rated value60 hp• at 200/208 V rated value60 hp- at 220/230 V rated value50 hp- at 60/480 V rated value200 hp• contact rating of auxiliary contacts according to ULA600 / P600		
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         • at 600 V rated value         192 A         yielded mechanical performance [hp]         • for single-phase AC motor         - at 230 V rated value         30 hp         • for 3-phase AC motor         - at 200/208 V rated value         60 hp         - at 220/230 V rated value         60 hp         - at 460/480 V rated value         150 hp         - at 575/600 V rated value         200 hp		
full-load current (FLA) for 3-phase AC motor180 A• at 480 V rated value180 A• at 600 V rated value192 Ayielded mechanical performance [hp]-• for single-phase AC motor30 hp- at 230 V rated value30 hp• for 3-phase AC motor at 200/208 V rated value60 hp- at 200/208 V rated value75 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hpContact rating of auxiliary contacts according to ULA600 / P600		1 rauity switching per 100 million (17 V, 1 mA)
• at 480 V rated value       180 A         • at 600 V rated value       192 A <b>yielded mechanical performance [hp]</b> -         • for single-phase AC motor       -         - at 230 V rated value       30 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       60 hp         - at 200/208 V rated value       75 hp         - at 200/208 V rated value       150 hp         - at 460/480 V rated value       150 hp         - at 575/600 V rated value       200 hp		
• at 600 V rated value192 Ayielded mechanical performance [hp]192 A• for single-phase AC motor30 hp- at 230 V rated value30 hp• for 3-phase AC motor at 200/208 V rated value60 hp- at 220/230 V rated value50 hp- at 220/230 V rated value150 hp- at 575/600 V rated value200 hpContact rating of auxiliary contacts according to ULA600 / P600		190 A
yielded mechanical performance [hp]• for single-phase AC motor30 hp- at 230 V rated value30 hp• for 3-phase AC motor at 200/208 V rated value60 hp- at 220/230 V rated value75 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hp		
<ul> <li>for single-phase AC motor         <ul> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>60 hp</li> <li>at 220/230 V rated value</li> <li>60 hp</li> <li>at 220/230 V rated value</li> <li>57 hp</li> <li>at 460/480 V rated value</li> <li>50 hp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / P600</li> </ul>		192 A
- at 230 V rated value30 hp• for 3-phase AC motor at 200/208 V rated value60 hp- at 220/230 V rated value75 hp- at 460/480 V rated value150 hp- at 575/600 V rated value200 hpcontact rating of auxiliary contacts according to ULA600 / P600		
• for 3-phase AC motor         •           - at 200/208 V rated value         60 hp           - at 220/230 V rated value         75 hp           - at 460/480 V rated value         150 hp           - at 575/600 V rated value         200 hp           contact rating of auxiliary contacts according to UL         A600 / P600		
- at 200/208 V rated value       60 hp         - at 220/230 V rated value       75 hp         - at 460/480 V rated value       150 hp         - at 575/600 V rated value       200 hp         contact rating of auxiliary contacts according to UL       A600 / P600		3∪ np
— at 575/600 V rated value     200 hp       contact rating of auxiliary contacts according to UL     A600 / P600		
contact rating of auxiliary contacts according to UL A600 / P600	— at 460/480 V rated value	
		200 hp
Short-circuit protection		A600 / P600
	Short-circuit protection	

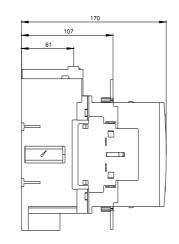
design of the fuce link			
design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
— with type of coordination 1 required	gG: 355 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
fastening method	screw fixing		
<ul> <li>side-by-side mounting</li> </ul>	Yes		
height	172 mm		
width	120 mm		
depth	170 mm		
required spacing			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— forwards	20 mm		
— upwards	10 mm		
— at the side	10 mm		
— downwards	10 mm		
for live parts			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	10 mm		
Connections/ Terminals			
type of electrical connection			
• for main current circuit	Connection bar		
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals		
of magnet coil	Screw-type terminals		
width of connection bar	17 mm		
thickness of connection bar	3 mm		
diameter of holes	9 mm		
number of holes	1		
connectable conductor cross-section for main contacts			
stranded	25 120 mm²		
connectable conductor cross-section for auxiliary contacts			
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 4 mm <sup>2</sup>		
tune of connectable conductor cross costions	0.5 4 mm <sup>2</sup>		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
for auxiliary contacts	0.5 2.5 mm²		
for auxiliary contacts	0.5 2.5 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
<ul> <li>for auxiliary contacts</li> <li>— solid</li> <li>— solid or stranded</li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> )		
<ul> <li>for auxiliary contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross</li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
for auxiliary contacts         — solid         — solid or stranded         — finely stranded with core end processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross         section	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for auxiliary contacts</li> </ul> </li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for auxiliary contacts</li> </ul> </li> <li>Safety related data</li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12		
for auxiliary contacts	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12 18 14		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for auxiliary contacts</li> </ul> </li> <li>Safety related data         <ul> <li>product function                 <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> </ul></li></ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12 18 14 Yes No		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for auxiliary contacts</li> </ul> </li> <li>Safety related data         <ul> <li>product function</li> <li>mirror contact according to IEC 60947-4-1</li> </ul> </li> </ul>	0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 1x 12 18 14 Yes		

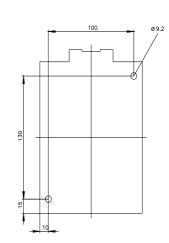
SIL Claim Limit (subsyster performance level (PL) a category according to EN stop category according	IL) according to IEC 6150 stem) according to EN 6 according to EN ISO 1384 N ISO 13849-1	<b>62061</b> 2			
performance level (PL) a category according to EN stop category according to EN	according to EN ISO 1384				
category according to EN stop category according		9-1 c			
stop category accordin	N ISO 13849-1				
	100-10-1	2			
PFHD with high demand	ng to EN 60204-1	0			
	I rate according to EN 620	)61 4.5	5E-7 1/h		
failure rate [FIT] with low	v demand rate according t	o SN 31920 10	0 FIT		
Safe failure fraction (SI	FF)	93	%		
PFDavg with low dema	and rate according to IE	0.0	007		
MTBF		75	а		
hardware fault tolerand	ce according to IEC 615	08 0			
T1 value for proof test in 61508	terval or service life acco	rding to IEC 20	а		
protection class IP on f	the front according to I	EC 60529 IP(	00; IP20 with box terminal/c	over	
touch protection on the	e front according to IEC	60529 fin	finger-safe, for vertical contact from the front with box terminal/cover		
ertificates/ approvals					
EMC	Functional Safety/Safety of Ma-	CCC Declaration of Cont	formity	Test Certificates	
RCM	chinery <u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certificates ate</u>
other			Railway		
<b>Confirmation</b>	<u>Miscellaneous</u>	Miscellaneous	Vibration and Shock	Special Test Certific- ate	

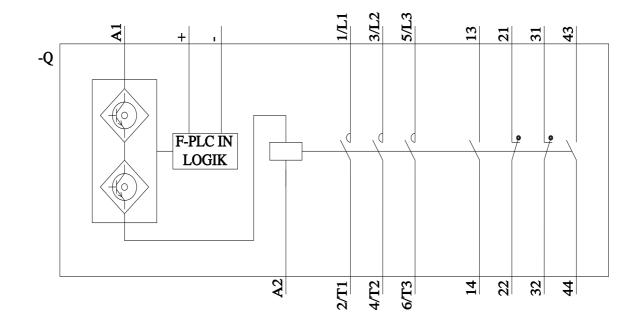
#### Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1056-6SP36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6SP36 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT10 6&lang=en Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT105 SP36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-6SP36&objecttype=14&gridview=view1









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