## SIEMENS

## Data sheet

## 3RT1056-6AB36



power contactor, AC-3e/AC-3 185 A, 90 kW / 400 V AC (50-60 Hz) / DC Uc: 23-26 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional 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
<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>	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>	5.2 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	
<ul> <li>of main circuit rated value</li> </ul>	8 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	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)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

number of poles for main current circuit 3	
number of NO contacts for main contacts 3	
operating voltage	
at AC-3 rated value maximum     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 215 A	
rated value	
at AC-1    up to 690 V at ambient temperature 40 °C 215 A	
rated value	
— up to 690 V at ambient temperature 60 °C 185 A	
rated value	
— up to 1000 V at ambient temperature 40 °C 100 A	
rated value	
— up to 1000 V at ambient temperature 60 °C 100 A rated value	
• at AC-3	
- 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	
— 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	
• at AC-5b up to 400 V rated value 153 A	
• at AC-6a	
— up to 230 V for current peak value n=20 rated 157 A	
value	
— up to 400 V for current peak value n=20 rated 157 A value	
— up to 500 V for current peak value n=20 rated 157 A	
value	
— up to 690 V for current peak value n=20 rated 157 A	
value	
— up to 1000 V for current peak value n=20 rated 65 A	
value ● at AC-6a	
— up to 230 V for current peak value n=30 rated 105 A	
value	
— up to 400 V for current peak value n=30 rated 105 A	
value	
— up to 500 V for current peak value n=30 rated 105 A	
value — up to 690 V for current peak value n=30 rated 105 A	
— up to 690 V for current peak value n=30 rated 105 A value	
— up to 1000 V for current peak value n=30 rated 65 A	
value	
minimum cross-section in main circuit at maximum AC-1 95 mm <sup>2</sup>	
rated value	
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	
• at 1 current path at DC-1	
— 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	

Ι

<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
<ul> <li>at 1 current path at DC-3 at DC-5</li> <li>— at 24 V rated value</li> </ul>	160 4
— at 60 V rated value	160 A 7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.0 A 0.17 A
— at 600 V rated value	0.17 A
• with 2 current paths in series at DC-3 at DC-5	0.12 A
- 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
• with 3 current paths in series at DC-3 at DC-5	
— 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-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 — at 1000 V rated value	160 kW 90 kW
operating power for approx. 200000 operating cycles	90 KVV
at AC-4	
at 400 V rated value	45 kW
<ul> <li>at 690 V rated value</li> </ul>	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
• up to 500 V for current peak value n=20 rated value	130 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	180 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated</li> </ul>	110 000 VA
value	
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	40 000 VA
• up to 400 V for current peak value n=30 rated value	70 000 VA
• up to 500 V for current peak value n=30 rated value	90 000 VA
• up to 690 V for current peak value n=30 rated value	120 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated</li> </ul>	110 000 VA

value

abort-line withstand current in cold operating state		
iminet to 1 = switching at zero current maximum       iminet to 3 = switching at zero current maximum       iminet to 2 = switching at zero current maximum       iminet to 2 = switching at zero current maximum       iminet to 2 = switching at zero current maximum       iminet to 2 = switching at zero current maximum       iminet to 2 = switching at zero current maximum       iminet to 2 = switching at zero current switch zero switching at zero current switch zero switching zero switching at zero current s		
<ul> <li>Initiate to 5 switching at zero current maximum</li> <li>Initiate to 30 switching at zero current maximum<!--</th--><th>•</th><th>2 900 A; Use minimum cross-section acc. to AC-1 rated value</th></li></ul>	•	2 900 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s witching at zero current maximum</li> <li>limited to 30 s witching at zero current maximum</li> <li>limited to 30 s witching at zero current maximum</li> <li>limited to 30 s witching at zero current maximum</li> <li>at AC</li> <li< th=""><th>-</th><th></th></li<></ul>	-	
• limited to 30 s witching at zero current maximum         888 A; Use minimum cross-section soc. Io AC-1 rated value           • al AC         • al AC           • al AC         2 000 1/h           • al AC         3 00 1/h           • al AC         3 00 1/h           • al AC         3 maximum           • al AC-1 maximum         300 1/h           • al AC-3 maximum         300 1/h           • al AC-4 maximum         300 1/h           • al AC + maximum         300 1/h           • al AC + maximum         300 1/h           • al AC + fraide value         2 28 V           • al AC + fraide value         2 28 V           • al AD + fraide value         0.8           • al AD + fraide value	-	
• Initial to 90 s witching at zero current maximum no-load witching frequencyB01 A: Use minimum cross-section acc. to AC-1 rated value• at AC2 000 1h• at AC2 000 1h• at AC-1 maximum90 1h• at AC-2 maximum90 1h• at AC-3 maximum750 1h• at AC-3 maximum750 1h• at AC-4 maximum750 1h• at SO Hz rated value23 26 V• at SO Hz rated value0.8• initial value0.9• initial value0.8• initial value0.8• initial value0.8• initial value0.8•	-	
noid a witching frequency         2000 t/n           ait AC         2000 t/n           operating frequency         2000 t/n           ait AC-1 maximum         800 1/n           ait AC-3 maximum         200 1/n           ait AC-3 maximum         200 1/n           ait AC-3 maximum         200 1/n           ait AC-3 maximum         750 1/n           ait AC-3 maximum         130 1/n           control supply voltage at AC         COCC           control supply voltage at AC         23 26 V           ot at 00 H2 rated value         23 26 V           ot at 00 H2 rated value         23 26 V           ot at 00 H2 rated value         0.8           value of magnet coll at DC         Interpretered value           operating range factor control supply voltage rated         Value           value of magnet coll at DC         Interpretered value           value of magnet coll at AC         0.8           value of magnet coll at AC         Value           value of magnet coll at AC         0.8           value of magnet coll at AC         0.8           value of magnet coll at AC         0.9           ait 60 H2         0.9           value of magnet coll at AC         0.9	-	
a AC     2 000 1/h       a tAC     2 000 1/h       operating frequency     800 1/h       a tAC-3 maximum     300 1/h       a tAC-3 maximum     300 1/h       a tAC-3 maximum     750 1/h       a tAC-4 maximum     130 1/h       control supply voltage at AC     CACCC       control supply voltage at AC     23 26 V       control supply voltage at DC     23 26 V       a tS 1/L2 rated value     23 26 V       control supply voltage at DC     0.8       a tit O H2     0.8       a tit O H2     0.8       a tit	-	contra, ocommuniani oroso-socilon acc. to rio- i rateu value
• at DC     2 000 th       operating frequery     800 th       • at AC-2 maximum     300 th       • at AC-2 maximum     300 th       • at AC-2 maximum     750 th       • at AC-3 maximum     750 th       • at AC-3 maximum     750 th       • at AC-4 maximum     130 th       Control supply voltage of the control supply voltage at AC     750 th       • at 60 the rated value     23 26 V       • orted value     23 26 V       • orted value     0.8       • inticit value     0.9       • at 60 th2     0.8 VA       Induct		2 000 1/h
operating frequencyImage: stand sta		
e it AC-1 maximum     800 1/h       e it AC-3 maximum     750 1/h       e it AC-3 maximum     750 1/h       e it AC-3 maximum     750 1/h       e it AC-4 maximum     130 1/h       Control supply voltage of the control supply voltage at AC     2326 V       c e it 50 Hz reliet value     2326 V       e it 60 Hz reliet value     2326 V       control supply voltage at AC     0.8       e it 60 Hz reliet value     0.8       e it 60 Hz     0.9       e it 60 Hz		2 000 1/11
at AC-2 maximum     300 1/h       • at AC-3 maximum     750 1/h       • at AC-3 maximum     750 1/h       • at AC-4 maximum     30 1/h       • at 50 Hz rated value     23 26 V       • at 60 Hz rated value     23 26 V       • onted iscuiry voltage at AC     23 26 V       • onted iscuiry voltage factor control supply voltage rated value     0.8       • initial value     0.8       • initial value     0.8       • initial value     0.8       • at 60 Hz     0.9       • at 60 Hz     0.8       • at 60 Hz     0.8       • at 60 Hz     0.8       • at 60 Hz     0.9       • at 60 Hz     0.9       • at 60 Hz     0.8       • at 60 Hz     0.8       • at 60 Hz     0.8       • at 60 Hz     0.8 </th <th></th> <th>200 1/b</th>		200 1/b
at AC-3 maximum     750 1/h       control supply voltage at AC     AC/DC       at 60 Hz rated value     23 26 V       control supply voltage at AC     23 26 V       at 60 Hz rated value     23 26 V       operating range factor control supply voltage rated     Value of magnet coll at AC       at 60 Hz rated value     0.8       operating range factor control supply voltage rated     Value of magnet coll at AC       at 50 Hz     0.8 1.1       at 50 Hz     0.9       at 50 Hz     0.9       at 50 Hz     0.9       at 50 Hz     0.9       at 60 Hz     0.8       at 60 Hz     0.8   <		
• at AC-3e maximum     750 1/h       • at AC-4 maximum     130 1/h       Control circuit/ Control     AC/DC       • at AC-4 maximum     AC/DC       • at 50 Hz rated value     23 26 V       • at 50 Hz rated value     23 26 V       • at 60 Hz rated value     23 26 V       • at 60 Hz rated value     0.8       • initial value     0.8       • initial value     0.8       • initial value     0.8       • initial value     0.8       • at 60 Hz     0.8 1.1       • at 60 Hz     0.9 1.1       • at 60 Hz     0.8 1.1       •		
• at AC-4 maximum     130 1/h       Control circult/ Control supply voltage of the control supply voltage at AC     AC/DC       • at 60 Hz rated value     23 26 V       • at 60 Hz rated value     23 26 V       • arted value     23 26 V       • operating range factor control supply voltage rated value     23 26 V       • initial value     0.8       • initial value     0.9       • initial value     0.9 <th></th> <th></th>		
Control circuit/ Control         AC/DC           type of voltage of the control supply voltage at AC         a. 26 V           • at 60 Hz rated value         2326 V           control supply voltage at DC         a26 V           • at 60 Hz rated value         2326 V           control supply voltage at DC         a26 V           • inide value         0.8           • inide value         0.8           • inide value         0.8           • inide value         0.8           • at 60 Hz         0.9           • at 60 Hz         0.9           • at 60 Hz         0.9           • at 60 Hz         0.8           • at 80 Hz         0.80		
type of voltage of the control supply voltage at AC         AC/DC                et 60 Hz rated value             et 60 Hz		130 1/h
control supply voltage at AC         • • • • t5 0 Hz rated value       23 26 V         control supply voltage at DC		40/00
		AC/DC
• at 60 Hz rated value     23 26 V       control supply voltage at DC		
control supply voltage at DC       atted value       23 26 V         • rated value       23 26 V         • initial value       0.8         • it 60 Hz       0.9         • it 60 Hz       0.8         • it 60 Hz       0.9         • it AC       2095 ms <th></th> <th></th>		
i rated value23 26 Voperating range fact control supply voltage rated value of magnet coil at DC0.8• initial value0.8• initial value0.9• initial value0.9• initial value0.9• initial value0.8• initial value0.9• initial value0.8• initial value		23 26 V
operating range factor control supply voltage rated value of magnet coil at DC0.8• Initial value0.8• Initial value0.8• Initial value1.1operating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• It 60 H20.8 1.1• It 60 H20.9• It 60 H20.9• It 60 H20.9• It 60 H20.9• It 60 H25.8 VA• It 60 H20.8• It 60 H20.8• It 60 H20.9• It 60 H20.9• It 60 H20.9• It 60 H20.8• It 60 H20.9• It 60 H20.8• It 60 H20.8• It 60 H20.9• It 60 H2 </th <th></th> <th></th>		
value of magnet coil at DC• initial value0.8• full-scale value1.1operating range factor control supply voltage rated1.1value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz300 VA• at 50 Hz300 VA• at 50 Hz300 VA• at 50 Hz0.9• at 50 Hz5.8 VA• at 60 Hz0.9• at 50 Hz5.8 VA• at 60 Hz0.9• at 60 Hz5.8 VA• at 60 Hz5.8 VA• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz0.9• at C2095 ms• at DC4060 ms• at DC4060 ms• at DC4060 ms• at DC4060 ms• at DC2195 ms• at DC2295 ms• at DC4060 ms• at DC2115 msinst		23 26 V
• Initial value0.8• full-scale value1.1operating range factor control supply voltage rated		
• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC-• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC-• at 50 Hz300 VA• at 50 Hz0.9• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz5.8 VA• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz5.8 VA• at 60 Hz0.9• at 60 Hz0.8• at 60 Hz5.8 VA• at 60 Hz0.8• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.8• at 00 Hz0.8• at 00 Hz0.8• at 00 Hz0.9• at 0C2095 msopening delay1045 ms• at DC4060 ms• at DC4060 ms• at DC2195 msopening trine2195 msinstantaneous contact2instantaneous contact2instantaneous contact2instantaneous contact2instantaneous contact10 Aoperational current at AC-154060 ms	-	
operating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC300 VA• at 50 Hz300 VA• at 60 Hz300 VAinductive power factor with closing power of the coil0.9• at 60 Hz0.9• at 60 Hz0.8• at 60 Hz0.9• at AC20 95 ms• at AC40 60 ms• at DC20 95 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC52 Wtotacted for auxiliary contacts2instantaneous contact10 15 msinstantaneous contact2instantaneo		
value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz300 VA• at 50 Hz300 VA• at 50 Hz300 VA• at 50 Hz0.9• at 50 Hz0.8• at 50 Hz0.8• at 50 Hz0.8• at 60 Hz0.8coll0.8coll0.8coll0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC360 Wholding power of magnet coil at DC360 Wholding power of magnet coil at DC360 Wi at AC2095 ms• at AC4060 ms• at AC4060 ms• at AC4060 ms• at AC2115 mscontrol version of the switch operating mechanismStandard A1 - A2 <b>Auxiliary circuit</b> 2number of NC contacts for auxiliary contacts instantaneous contact2number of NC contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-1540• at 400 V rated value6 A <td< th=""><th></th><th>1.1</th></td<>		1.1
• at 50 Hz0.8 11• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC300 VA• at 50 Hz300 VA• at 50 Hz300 VAinductive power factor with closing power of the coil0.9• at 60 Hz0.9• at 60 Hz5.8 VA• at 60 Hz5.8 VA• at 60 Hz0.8• at AC2095 ms• at AC2095 ms• at AC40 60 ms• at AC40 60 ms• at AC40 60 ms• at AC40 60 ms• at AC21 57 ms• at AC22 95 ms• at AC40 60 ms• at AC40 60 ms• at AC2• at AC2• at AC2• at AC2• at AC2• at AC40 60 ms• at AC2• at AC40 60 ms• at AC2• at AC40 60 ms• at AC40 60 ms• at AC40 60 ms•		
• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC300 VA• at 50 Hz300 VA• at 50 Hz300 VA• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.8• at 60 Hz5.8 VA• at 60 Hz0.8• at AC0.9 ms• at AC20 95 ms• at AC40 60 ms• at AC40 60 ms• at AC40 60 ms• at AC40 60 ms• at AC21 15 ms• at AC21 15 ms• at AC21 15 ms• at AC21 15 ms• at AC21 16 15 16	-	0.9 11
design of the surge suppressor         with variator           apparent pick-up power of magnet coil at AC		
apparent pick-up over of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 80 Hz • a		
• at 50 Hz300 VA• at 60 Hz300 VAinductive power factor with closing power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9• at 50 Hz5.8 VA• at 50 Hz5.8 VA• at 50 Hz5.8 VA• at 50 Hz5.8 VA• at 50 Hz0.8• at 50 Hz0.95 ms• at DC20 95 ms• at DC20 95 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC20 95 ms• at DC20 95 ms• at DC20 95 ms• at DC20 60 ms• at DC20 60 ms• at DC20 60 ms• at DC20 60 ms• at 20 Contacts for auxiliary contactsinstantaneous contact• porational current at AC-15• at 200 V rated value• at 400 V rated value• at 400 V rated value• at 400 V rated value <th></th> <th>with varistor</th>		with varistor
• at 60 Hz300 VAinductive power factor with closing power of the coll		
Inductive power factor with closing power of the coil     0.9       • at 50 Hz     0.9       apparent holding power of magnet coil at AC     0.9       • at 50 Hz     5.8 VA       • at 50 Hz     5.8 VA       • at 60 Hz     5.8 VA       • at 60 Hz     0.8       • at 0 Hz     0.8       • at AC     20 95 ms       • at AC     40 60 ms       • at AC     40 60 ms       • at DC     40 60 ms       • at DC     40 60 ms       • at DC     2       • at AC     40 60 ms       • at AC     2       • at AC     2       • at AC     2       • at AC     2		
• at 50 Hz0.9• at 60 Hz0.9apparent holding power of magnet coil at AC5.8 VA• at 50 Hz5.8 VA• at 60 Hz5.8 VA• at 60 Hz0.8colinductive power factor with the holding power of the coil0.8• at 50 Hz0.8• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC360 Wclosing delay20 95 ms• at AC20 95 ms• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC20 95 msopening delay10 15 ms• at DC20 95 ms• at DC20 95 msopening reme10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit10 15 msnumber of NC contacts for auxiliary contacts instantaneous contact operational current at AC-15 • at 230 V rated value2• at 230 V rated value6 A• at 400 V rated value3 A		300 VA
• at 60 Hz0.9apparent holding power of magnet coil at AC	· • • • •	
apparent holding power of magnet coil at AC.8 VA• at 50 Hz5.8 VA• at 60 Hz5.8 VAinductive power factor with the holding power of the coil.8• at 50 Hz0.8• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay		
• at 50 Hz5.8 VA• at 60 Hz5.8 VAInductive power factor with the holding power of the coil0.8• at 50 Hz0.8• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay0• at AC20 95 ms• at DC20 95 ms• at AC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts2instantaneous contact2operational current at AC-152• at 230 V rated value6 A• at 400 V rated value3 A		0.9
at 60 Hz5.8 VAinductive power factor with the holding power of the coil0.8• at 50 Hz0.8• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay20 95 ms• at AC20 95 ms• at DC20 95 msopening delay40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 instantaneous contact40 Aoperational current at AC-15 instantaneous contact5 A• at 230 V rated value6 A• at 400 V rated value3 A		
inductive power factor with the holding power of the coil0.8• at 50 Hz0.8• at 60 Hz360 Wclosing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay-• at AC20 95 ms• at DC20 95 msopening delay-• at AC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-15 instantaneous contact10 Aoperational current at AC-15-• at 230 V rated value6 A• at 400 V rated value3 A	• at 50 Hz	
coil		5.8 VA
• at 50 Hz0.8• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.0 W• at AC20 95 ms• at AC20 95 ms• at DC20 95 ms• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NC contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 instantaneous contact6 A• at 230 V rated value6 A• at 400 V rated value3 A		
• at 60 Hz0.8closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay-• at AC20 95 ms• at DC20 95 msopening delay-• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit-number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 instantaneous contact40 AC• at 230 V rated value6 A• at 400 V rated value3 A		0.8
closing power of magnet coil at DC360 Wholding power of magnet coil at DC5.2 Wclosing delay-• at AC20 95 ms• at DC20 95 msopening delay-• at AC40 60 ms• at AC40 60 ms• at DC40 60 ms• at DC20 95 ms• ontrol version of the switch operating mechanismStandard A1 - A2Number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2• at 230 V rated value6 A• at 400 V rated value6 A• at 400 V rated value3 A		
holding power of magnet coil at DC5.2 Wclosing delay20 95 ms• at AC20 95 ms• at DC20 95 msopening delay40 60 ms• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts2instantaneous contact2number of NO contacts for auxiliary contacts2instantaneous contact0operational current at AC-12 maximum10 Aoperational current at AC-156• at 230 V rated value6 A• at 400 V rated value3 A		
closing delay• at AC20 95 ms• at DC20 95 msopening delay• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC40 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuitnumber of NC contacts for auxiliary contacts2instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-154 230 V rated value• at 400 V rated value3 A	•••	
• at AC20 95 ms• at DC20 95 msopening delay20 95 ms• at AC40 60 ms• at DC40 60 ms• at DC40 60 ms• at DC10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value10 Aoperational current at AC-15 • at 400 V rated value6 A• at 400 V rated value3 A		0.2.17
<ul> <li>at DC</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>at DC</li> <li>at DC</li> <li>at DC</li> <li>at DC</li> <li>at DC</li> <li>at 0 60 ms</li> <li>acontrol version of the switch operating mechanism</li> <li>Standard A1 - A2</li> </ul> Auxiliary circuit           number of NC contacts for auxiliary contacts         2           number of NC contacts for auxiliary contacts         2           instantaneous contact         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6 A           at 230 V rated value         6 A           at 400 V rated value         3 A		20 95 ms
opening delay40 60 ms• at DC40 60 ms• at DC40 60 msarcing time10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 • at 230 V rated value6 A• at 400 V rated value3 A		
<ul> <li>at AC</li> <li>at DC</li> <li>at DC</li> <li>40 60 ms</li> <li>40 60 ms</li> <li>arcing time</li> <li>10 15 ms</li> <li>control version of the switch operating mechanism</li> <li>Standard A1 - A2</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>3 A</li> </ul>		20 00 110
• at DC40 60 msarcing time10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 • at 230 V rated value6 Aat 400 V rated value3 A		40 60 mg
arcing time10 15 mscontrol version of the switch operating mechanismStandard A1 - A2Auxiliary circuitImage: Standard A1 - A2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-15 		
control version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2number of NC contacts for auxiliary contacts instantaneous contact2number of NO contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum operational current at AC-1510 Aoperational current at AC-156 A• at 230 V rated value6 A• at 400 V rated value3 A		
Auxiliary circuit         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 230 V rated value       6 A         • at 400 V rated value       3 A	-	
number of NC contacts for auxiliary contacts2instantaneous contact2number of NO contacts for auxiliary contacts2instantaneous contact2operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value6 A• at 400 V rated value3 A		
instantaneous contact2number of NO contacts for auxiliary contacts2instantaneous contact10 Aoperational current at AC-12 maximum10 Aoperational current at AC-15-• at 230 V rated value6 A• at 400 V rated value3 A		
number of NO contacts for auxiliary contacts2instantaneous contact10 Aoperational current at AC-12 maximum10 Aoperational current at AC-15-• at 230 V rated value6 A• at 400 V rated value3 A		2
operational current at AC-12 maximum10 Aoperational current at AC-156 A• at 230 V rated value6 A• at 400 V rated value3 A	number of NO contacts for auxiliary contacts	2
operational current at AC-15     6 A       • at 230 V rated value     6 A       • at 400 V rated value     3 A		
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>3 A</li> </ul>		10 A
• at 400 V rated value 3 A	-	
at 500 V rated value     2 A		
	• at 500 V rated value	2 A

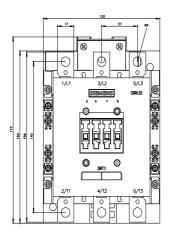
<ul> <li>at 690 V rated value</li> </ul>	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
• at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
	0.13 A
operational current at DC-13	40.4
• at 24 V rated value	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
<ul> <li>at 600 V rated value</li> </ul>	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	190.4
at 480 V rated value	180 A
• at 600 V rated value	192 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 230 V rated value	30 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— 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 / Q600
contact running of auxiliary contacto according to or	10007 0000
Short circuit protection	
Short-circuit protection	
design of the fuse link	
design of the fuse link • for short-circuit protection of the main circuit	
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> </ul>	gG: 355 A (690 V, 100 kA)
design of the fuse link • for short-circuit protection of the main circuit	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul>	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         — forwards         — upwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - downwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         — forwards         — upwards         — a the side	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 0 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - a the side         • for grounded parts         - forwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - forwards         - upwards         - upwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - mathe side         • at the side         • at the side	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 10 mm 0 mm 20 mm 10 mm 10 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - upwards         - at the side         - downwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - ownwards         - at the side         - downwards         - at the side         - ownwards         - ownwards         - ownwards         - ownwards         - for upwards         - ownwards         - for upwards         - ownwards         - for upwards         - ownwards         - ownwards         - for upwards         - ownwards         - ownwards         - for upwards         - ownwards         - for uparts	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm </td
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - upwards         - at the side         - downwards	<ul> <li>gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>172 mm</li> <li>120 mm</li> <li>170 mm</li> <li>20 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>20 mm</li> </ul>
design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - ownwards         - at the side         - downwards         - at the side         - ownwards         - ownwards         - ownwards         - ownwards         - for upwards         - ownwards         - for upwards         - ownwards         - for upwards         - ownwards         - ownwards         - for upwards         - ownwards         - ownwards         - for upwards         - ownwards         - for uparts	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm </td
design of the fuse link         • for short-circuit protection of the main circuit         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - at the side         - downwards         - at the side         - forwards         - powards         - prowards         - other side         - forwards         - other side         - forwards         - other side         - for live parts         - forwards	<ul> <li>gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>172 mm</li> <li>120 mm</li> <li>170 mm</li> <li>20 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>10 mm</li> <li>20 mm</li> </ul>
design of the fuse link         • for short-circuit protection of the main circuit         - with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/mounting/dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - at the side         • for grounded parts         - forwards         - upwards         - at the side         - downwards         - at the side         - forwards         - upwards         - ownwards         - ownwards         - upwards         - upwar	<ul> <li>gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>172 mm</li> <li>120 mm</li> <li>120 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>10 mm</li> </ul>

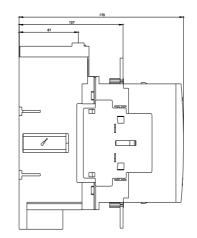
Connections/ Termin	als					
type of electrical co						
<ul> <li>for main currer</li> </ul>			Connection bar			
<ul> <li>for auxiliary an</li> </ul>	d control circuit		screw-type terminals			
<ul> <li>at contactor for</li> </ul>	r auxiliary contacts		Screw-type terminals			
<ul> <li>of magnet coil</li> </ul>			Screw-type terminals			
width of connection	n bar		17 mm			
thickness of conne	ction bar		3 mm			
diameter of holes			9 mm			
number of holes			1			
connectable conductor contacts	ctor cross-section for	main				
<ul> <li>stranded</li> </ul>			25 120 mm²			
connectable conductor contacts	ctor cross-section for	auxiliary				
<ul> <li>solid or strande</li> </ul>	ed		0.5 4 mm²			
<ul> <li>finely stranded</li> </ul>	with core end processir	ng	0.5 2.5 mm²			
type of connectable	e conductor cross-sect	ions				
<ul> <li>for auxiliary col</li> </ul>	ntacts					
— solid			2x (0.5 1.5 mm <sup>2</sup> ), 2	x (0.75 2.5 mm²), max. 2x (	0.75 4 mm²)	
— solid or st	randed		2x (0,5 1,5 mm²), 2	x (0,75 2,5 mm²), max. 2x (	0,75 4 mm²)	
— finely stra	nded with core end proc	essing	2x (0.5 1.5 mm²), 2			
<ul> <li>at AWG cables</li> </ul>	s for auxiliary contacts		2x (20 16), 2x (18 .	14), 1x 12		
AWG number as co section	ded connectable cond	uctor cross				
<ul> <li>for auxiliary con</li> </ul>	<ul> <li>for auxiliary contacts</li> </ul>					
Safety related data						
product function						
<ul> <li>mirror contact a</li> </ul>	according to IEC 60947-	4-1	Yes			
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>		No				
B10 value with high demand rate according to SN 31920		1 000 000				
-	st interval or service life		20 a			
protection class IP on the front according to IEC 60529		IP00; IP20 with box terminal/cover				
touch protection on suitability for use	the front according to	IEC 60529	finger-safe, for vertica	I contact from the front with be	ox terminal/cover	
safety-related switching OFF		Yes	Yes			
Certificates/ approva						
General Product A						
General Froduct A						
Æ	<u>Confirmation</u>	$(\mathbf{w})$	ጯ	<u>KC</u>	EAC	
CSA					LIIL	
EMC	Functional Safety/Safety of Machinery	Declaration o	of Conformity	Test Certificates		
RCM	<u>Type Examination</u> <u>Certificate</u>	UK CA	CE EG-Konf.	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	
Test Certificates	Marine / Shipping					

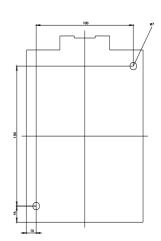


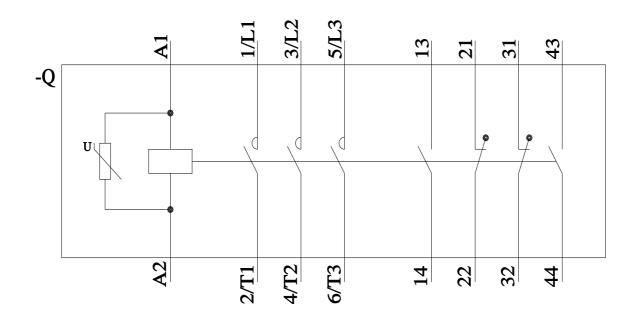
Irther information
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the 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).
nformation on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875
nformation- and Downloadcenter (Catalogs, Brochures,…) https://www.siemens.com/ic10
ndustry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1056-6AB36
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6AB36
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AB36
mage database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1056-6AB36⟨=en
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AB36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-6AB36&objecttype=14&gridview=view1









2/10/2023 🖸

4/3/2023