SIEMENS

Data sheet

3RT1266-6AM36



vacuum contactor AC-3e/AC-3 300 A, 160 kW / 400 V, 3-pole, Uc: 200-220 V AC(50-60 Hz) / DC drive: conventional auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S10
product extension	
 function module for communication 	No
 auxiliary switch 	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	42 W
 at AC in hot operating state per pole 	14 W
 without load current share typical 	8.2 W
insulation voltage	
• of main circuit with degree of pollution 3 rated value	1 000 V
of auxiliary circuit with degree of pollution 3 rated value	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	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)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

maximum	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	4 000 \/
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 rated value	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	330 A
— up to 1000 V at ambient temperature 60 °C rated value	300 A
• at AC-3	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
• at AC-3e	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
 at AC-4 at 400 V rated value 	280 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated value	300 A
— up to 400 V for current peak value n=20 rated value	300 A
— up to 500 V for current peak value n=20 rated value	300 A
— up to 690 V for current peak value n=20 rated value	300 A
— up to 1000 V for current peak value n=20 rated value	300 A
• at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	209 A
 — up to 400 V for current peak value n=30 rated value 	209 A
 — up to 500 V for current peak value n=30 rated value 	209 A
— up to 690 V for current peak value n=30 rated value	209 A
— up to 1000 V for current peak value n=30 rated	209 A
value minimum cross-section in main circuit at maximum AC-1 rated	185 mm²
value operational current for approx. 200000 operating cycles at AC-4	
	140.4
at 400 V rated value	140 A
at 690 V rated value	140 A
operating power	
• at AC-3	22.111
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	400 kW
• at AC-3e	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	400 kW

operating power for approx. 200000 operating cycles at AC-	
• at 400 V rated value	79 kW
at 690 V rated value	138 kW
operating apparent power at AC-6a	100.000 13/4
• up to 230 V for current peak value n=20 rated value	120 000 kVA
• up to 400 V for current peak value n=20 rated value	200 000 VA
• up to 500 V for current peak value n=20 rated value	260 000 VA
 up to 690 V for current peak value n=20 rated value 	350 000 VA
 up to 1000 V for current peak value n=20 rated value 	520 000 VA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	80 000 VA
 up to 400 V for current peak value n=30 rated value 	140 000 VA
 up to 500 V for current peak value n=30 rated value 	180 000 VA
 up to 690 V for current peak value n=30 rated value 	250 000 VA
 up to 1000 V for current peak value n=30 rated value 	360 000 VA
no-load switching frequency	
• at AC	2 000 1/h
● at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	750 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	200 220 V
• at 60 Hz rated value	200 220 V
control supply voltage at DC	
rated value	200 220 V
operating range factor control supply voltage rated value of	
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
design of the surge suppressor	with varistor
apparent pick-up power	
at minimum rated control supply voltage at AC	
— at 50 Hz	530 VA
— at 60 Hz	530 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	630 VA
— at 50 Hz	630 VA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	590 VA
• at 60 Hz	590 VA
inductive power factor with closing power of the coil	000 V/Y
at 50 Hz	0.9
• at 50 Hz	0.9
	0.3
apparent holding power	6.9.1/A
at minimum rated control supply voltage at DC	6.8 VA
at maximum rated control supply voltage at DC	8.2 VA
apparent holding power	
at minimum rated control supply voltage at AC	
— at 50 Hz	6.1 VA
— at 60 Hz	6.1 VA
 at maximum rated control supply voltage at AC 	

− at 00 m2 7.4 Ma apparent holding power of magnet coll at AC 6.1 VA • • • • 00 h2 6.1 VA • • • • 00 h2 6.1 VA • • • • 00 h2 0.9 • • • 00 0.9 • • • 00 0.9 • • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • • 00 0.9 • 00 0.9 • 00 0.9 <th>— at 50 Hz</th> <th>7.4 VA</th>	— at 50 Hz	7.4 VA	
apparent holding power of magnet coll at AC 8.1 VA at 80 V2 6.1 VA inductive prover factor with the holding power of the coll 0.9 i et 60 V2 0.9 i et 60 V2 0.9 of colling power of magnet coll at DC 700 W holding power of magnet coll at DC 82 W coloning dolay 0.9 mm i et AC 3095 mm i et AC 4095 mm i et AC 4090 mm i et AC 4080 mm operational current of the switch operating mechanism 2 i et AC 4080 mm operational current at AC-12 2 i et AC 4080 mm operational current at AC-12 10			
•••••••••••••••••••••••••••••••••••		1.7 1/1	
• • 140 Hz6.1 VAinductive power factor with the holding power of the coll0.9• • 160 Hz0.9• • 160 Hz0.9 Smm• • 160 Hz0.9 Smm• • 160 Hz0.9 Smm• • • 160 Hz0.9 Smm• • • 160 Hz0.9 Smm• • • • • • • • • • • • • • • • • • •		61 \/A	
Inductive power factor with the holding power of the coll • at 50 Hz • at 50 Hz • at 60			
• if i0 hz0.9closing power of magnet col at DC700 Wholding power of magnet col at DC8.2 Wclosing datay8.2 W• i1 AC30 95 ms• i1 AC30 95 ms• i1 AC40 80 ms• i1 AC50 ms• i1 AC contacts for auxiliary contacts instantaneus2• origitational current at AC-12 maximum10 A• operational current at AC-12 maximum10 A• operational current at AC-12 maximum10 A• i1 20 V rado Value6 A• i1 60 V rado Value6 A<		0.1 0/1	
• #0 Piz0.0closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 Wclosing delay-• #1.AC30 95 ms• #1.AC40 80 ms• #1.DC40 80 ms• #1.DC med value40 80 ms• #1.DC med value40 80 80 ms <t< td=""><td></td><td>0.9</td></t<>		0.9	
closing power of magnet coll at DC 700 W holding power of magnet coll at DC 8.2 W closing delay 3095 ms • at DC 3095 ms • at DC 3095 ms • at DC 4080 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 10.A operational current at AC-12 maximum 10.A operational current at AC-12 maximum 10.A operational current at AC-12			
holding power of magnet cell at DC 8.2 W closing datay a 96 ms • et AC 30 96 ms • et AC 40 80 ms • et AC 40 80 ms • et AC 40 80 ms • et DC 40 80 ms control version of the switch operating mechanism 2 Auxiliary creatil 2 number of NC contacts for auxiliary contacts instantaneous 2 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A • et 300 V rated value 6 A • et 300 V rated value 0 A • et 800 V rated value 0 A			
closing delay at AC 3095 ms at AC 3095 ms opening delay			
op all DC30 95 msoperating delay			
opening delay 40 80 ms • at AC 40 80 ms • at CC 40 80 ms acting time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous 2 operational current at AC-15 6 • at 300 V rated value 6 A • at 800 V rated value 6 A • at 800 V rated value 10 A operational current at AC-12 10 A • at 800 V rated value 0 A • at 80 V rated value 10 A • at 80 V rated value 10 A • at 80 V rated value 2 A • at 80 V rated		30 95 ms	
ai AC 4080 ms acting time 4080 ms control variant of the switch operating mechanism Standard A1 - A2 Availing retired 2 control 3A cat 300 V rated value 6A cat 300 V rated value 6A cat 400 V rated value 6A cat 400 V rated value 6A cat 300 V rated value 10A cat 410 V rated value 6A cat 410 V rated value 7A cat 410 V rated value 7A cat 410 V rated value <td>• at DC</td> <td>30 95 ms</td>	• at DC	30 95 ms	
arcing time 40 80 ms arcing time 10 15 ms control version of the switch oporating mechanism Standard X1 - A2 Auxiliary circuit number of N Contrals for auxiliary contacts instantaneous 2 contract. 10 A operational current at AC-15 10 A operational current at AC-17 10 A operational current at DC-12 10 A ot 23 V rated value 10 A operational current at DC-12 10 A ot 24 V rated value 10 A ot 25 V rated value 10 A ot 20 V rated value 10 A ot 21 V rated value 10 A ot 21 V rated value 10 A ot 125 V rated value 10 A ot 126 V rated value 10 A ot 127 V rated value 10 A ot 128 V rated value 10 A ot 129 V rated value 0.3 A ot 120 V rated value 0.4 A ot 120 V rated value 0.4 A	opening delay		
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control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Immber of KC contacts for auxiliary contacts instantaneous contact. 2 contact 2 contact 10 A operational current at AC-15 6 • at 230 V rated value 6 A • at 300 V rated value 10 A operational current at AC-15 6 • at 400 V rated value 10 A operational current at AC-17 10 A • at 500 V rated value 2 A • at 600 V rated value 10 A • at 600 V rated value 6 A • at 600 V rated value 10 A • at 600 V rated value 2 A • at 600 V rated value 0 A • at 600 V rated value 0 A • at 600 V rated value 0 A • at 600 V rated value 20 A • at 600 V rated value	• at DC	40 80 ms	
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-15 6 A • at 230 V rated value 6 A • at 230 V rated value 6 A • at 230 V rated value 6 A • at 250 V rated value 7 • at 250 V rated value 6 A • at 250 V rated value 7 • at 250 V rated value 6 A • at 260 V rated value 10 A operational current at DC-12 10 A • at 260 V rated value 6 A • at 260 V rated value 6 A • at 27 V rated value 6 A • at 125 V rated value 10 A • at 20 V rated value 10 A • at 20 V rated value 0.15 A • at 20 V rated value 10 A • at 20 V rated value 10 A • at 20 V rated value 0.15 A • at 20 V rated value 0.15 A • at 20 V rated value 0.14 A • at 20 V rated value 0.14 A • at 20 V rated value 0.14 A </td <td>arcing time</td> <td>10 15 ms</td>	arcing time	10 15 ms	
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operational current at AC-15 6 A • at 200 V rated value 6 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 • 1 A • at 40 V rated value 10 A • at 42 V rated value 6 A • at 42 V rated value 6 A • at 40 V rated value 6 A • at 60 V rated value 6 A • at 125 V rated value 2 A • at 125 V rated value 1 A • at 200 V rated value 2 A • at 200 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 0 A • at 24 V rated value 0 A • at 40 V rated value 0 A • at 10 V rated value 0 A • at 40 V rated value 0 A • at 200 V rated value 0 A • at 200 V rated value 0.3 A • at 10 V rated value 0.4 A S V rated value • at 60 V rated value 0.2 A • at 60 V rated value 0.2 A • a		2	
• al 230 V rated value 6 A • al 400 V rated value 3 A • al 690 V rated value 2 A • al 690 V rated value 1 A operational current at DC-12 - • al 24 V rated value 6 A • at 40 V rated value 6 A • at 40 V rated value 6 A • at 40 V rated value 6 A • at 60 V rated value 6 A • at 100 V rated value 6 A • at 100 V rated value 7 A • at 200 V rated value 7 A • at 200 V rated value 7 A • at 200 V rated value 10 A • at 200 V rated value 7 A • at 200 V rated value 10 A • at 200 V rated value 10 A • at 200 V rated value 10 A • at 24 V rated value 10 A • at 40 V rated value 10 A • at 40 V rated value 2 A • at 10 V rated value 2 A • at 20 V rated value 0.3 A • at 20 V rated value 0.1 A contact reliability of auxillary contacts 11 A • at 600 V rated value 20 A • at 600 V rated value 20 A • at 600 V rated value 20 A • at 600 V rated value	operational current at AC-12 maximum	10 A	
• at 400 V rated value3 A• at 500 V rated value2 A• at 600 V rated value1 Aoperational current at DC-12-• at 24 V rated value10 A• at 24 V rated value6 A• at 60 V rated value6 A• at 60 V rated value3 A• at 110 V rated value2 A• at 22 V rated value1 A• at 22 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value2 A• at 60 V rated value0.1 A• at 24 V rated value0.3 A• at 25 V rated value0.3 A• at 20 V rated value0.1 A• at 20 V rated value0.1 A• at 60 V rated value302 A• at 60 V rated value300 A• at 60 V rated va	operational current at AC-15		
• at 500 V rated value 2 A • at 680 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 10 V rated value 6 A • at 10 V rated value 3 A • at 110 V rated value 2 A • at 200 V rated value 0.15 A • at 200 V rated value 0.15 A • at 20 V rated value 2 A • at 20 V rated value 0.15 A • operational current at DC-13	• at 230 V rated value	6 A	
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operational current at DC-12 • at 24 V trated value • at 24 V trated value • at 48 V trated value • at 60 V trated value • at 10 V trated value • at 220 V trated value • at 24 V trated value • at 25 V trated value • at 26 V trated value • at 220 V rated value • at 200 V rated value • at 600 V trated value • at 480 V trated value • at	• at 500 V rated value	2 A	
• at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 200 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 • • at 60 V rated value 10 A • at 60 V rated value 0 A • at 60 V rated value 0.9 A • at 100 V rated value 0.3 A • at 60 V rated value 0.1 A • contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 1 • at 600 V rated value 302 A • at 600 V rated value 289 A yielded mechanical performance [hp] 100 hp • at 200/208 V rated value 120 hp • at 200/2	at 690 V rated value	1 A	
• at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13	•		
 at 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 0.15 A operational current at DC-13 at 48 V rated value 2 A at 48 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 2 A at 20 V rated value 2 A at 48 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 3 A at 60 V rated value 3 A at 60 V rated value 3 A at 60 V rated value 1 A at 600 V rated value 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 at 480 V rated value 302 A at 480 V rated value 289 A yielded mechanical performance [np] for 3-phase AC motor at 200/208 V rated value 125 hp at 400/480 V rated value 250 hp at 400/480 V rated value 250 hp at 400/480 V rated value 250 hp at 460/480 V rated value 250 hp at 460/480 V rated value 300 hp contact rating of auxiliary contacts accor			
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• 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 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • 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 0.9 A • at 220 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A • at 600 V rated value 302 A • at 600 V rated value 289 A yielded mechanical performance [hp] • • for 3-phase AC motor - - at 200/208 V rated value 100 hp - at 200/208 V rated value 100 hp - at 200/208 V rated value 250 hp - at 460/480 V rated value 260 hp - at 460/480 V rated value 300 hp - at 575/600 V rated value 300 hp - at 575/600 V rated value 30			
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operational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor302 A• at 600 V rated value302 A• at 600 V rated value100 hp- at 200/208 V rated value100 hp- at 200/208 V rated value100 hp- at 460/480 V rated value250 hp- at 460/480 V rated value300 hpcontact reting of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit			
• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.1 A• at 220 V rated value0.1 A• at 600 V rated value302 A• at 600 V rated value302 A• at 600 V rated value100 hp• at 600 V rated value289 A• yielded mechanical performance [hp]100 hp• at 220/230 V rated value125 hp- at 220/230 V rated value100 hp- at 220/230 V rated value300 hp- at 460/480 V rated value300 hp- at 460/480 V rated value300 hp• at 600 V rated value300 hp- at 600/260 V rated value300 hp- at 600/260 V rated value300 hp- at 600/260 V rated value300 hp- at 600/480 V rated value300 hp- at 600/2600 V rated value300 hp- at 600/2600 V rated value300 hp- at 600/2600 V rated value300 hp- at 60/200 V rated value300 hp		0.15 A	
• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 800 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 value302 A• at 480 V rated value289 Ayielded mechanical performance [hp]100 hp- at 220/230 V rated value125 hp- at 460/480 V rated value250 hp- at 460/480 V rated value300 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit		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)UUCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 800 V rated value302 A• at 800 V rated value289 Ayielded mechanical performance [hp]-• for 3-phase AC motor at 200/208 V rated value100 hp- at 200/208 V rated value100 hp- at 460/480 V rated value250 hp- at 60/480 V rated value300 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit			
• 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 value302 A• at 480 V rated value289 Ayielded mechanical performance [hp]-• for 3-phase AC motor at 200/208 V rated value100 hp- at 200/208 V rated value125 hp- at 460/480 V rated value300 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit			
• 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 value302 A• at 600 V rated value289 Ayielded mechanical performance [hp]- at 200/208 V rated value• for 3-phase AC motor- at 200/208 V rated value- at 200/208 V rated value100 hp- at 460/480 V rated value250 hp- at 575/600 V rated value300 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit			
• at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 302 A • at 480 V rated value 302 A • at 600 V rated value 289 A yielded mechanical performance [hp] - • for 3-phase AC motor - - at 200/208 V rated value 100 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 250 hp - at 575/600 V rated value 300 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection - design of the fuse link - • for short-circuit protection of the main circuit -			
• 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 motor302 A• at 480 V rated value302 A• at 600 V rated value289 Ayielded mechanical performance [hp]100 hp- at 200/208 V rated value100 hp- at 200/208 V rated value300 p- at 460/480 V rated value250 hp- at 460/480 V rated value300 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600			
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• for 3-phase AC motor 100 hp - at 200/208 V rated value 100 hp - at 220/230 V rated value 125 hp - at 460/480 V rated value 250 hp - at 575/600 V rated value 300 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600			
	-	100 hp	
	— at 220/230 V rated value	125 hp	
contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit Image: Content of the main circuit	— at 460/480 V rated value	250 hp	
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	— at 575/600 V rated value	300 hp	
design of the fuse link • for short-circuit protection of the main circuit	contact rating of auxiliary contacts according to UL	A600 / Q600	
for short-circuit protection of the main circuit	Short-circuit protection		
	design of the fuse link		
- with type of coordination 1 required gG: 500 A (690 V, 100 kA)	• for short-circuit protection of the main circuit		
	- with type of coordination 1 required	gG: 500 A (690 V, 100 kA)	

- with type of assignment 2 required

0	, 100 kA), aM: 400 /	A (690 V, 50 kA)	BS88: 450	A (415 V, 50
kA)				

• for short-circuit protection of the auxiliary switch required

1	
	gG: 10 A (500 V, 1 kA)

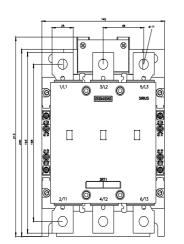
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface		
fastening method	screw fixing		
side-by-side mounting	Yes		
height	210 mm		
width	145 mm		
depth	206 mm		
required spacing			
with side-by-side mounting			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
for grounded parts			
— 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	Orangeling has		
for main current circuit	Connection bar		
• for auxiliary and control circuit	screw-type terminals		
at contactor for auxiliary contacts	Screw-type terminals		
of magnet coil	Screw-type terminals		
width of connection bar	25 mm		
thickness of connection bar	6 mm		
diameter of holes	11 mm		
number of holes	1		
connectable conductor cross-section for main contacts	70 040 2		
• stranded	70 240 mm²		
connectable conductor cross-section for auxiliary contacts			
solid or stranded	0.5 4 mm²		
finely stranded with core end processing	0.5 2.5 mm²		
type of connectable conductor cross-sections			
• for auxiliary contacts			
— solid	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²)		
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)		
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12		
AWG number as coded connectable conductor cross section			
 for auxiliary contacts 	18 14		
Safety related data			
product function			
 mirror contact according to IEC 60947-4-1 	Yes		
 positively driven operation according to IEC 60947-5-1 	No		
suitability for use safety-related switching OFF	Yes		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		

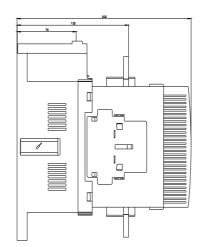
General Product App	oroval				
		<u>Confirmation</u>		KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confor	mity	Test Certificates	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					other
ABS	Hoyd's Register urs	PRS	RMRS RMRS	DNV-GL ENVILLEDING	<u>Confirmation</u>
other		Railway			
<u>Confirmation</u>	<u>Miscellaneous</u>	Vibration and Shock	<u>Special Test Certific-</u> <u>ate</u>		

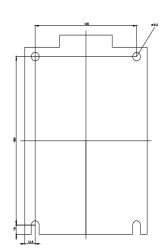
urther information
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the 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=3RT1266-6AM36
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1266-6AM36
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AM36
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1266-6AM36⟨=en
Characteristic: Tripping characteristics, I ² t, Let-through current <u>https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AM36/char</u>

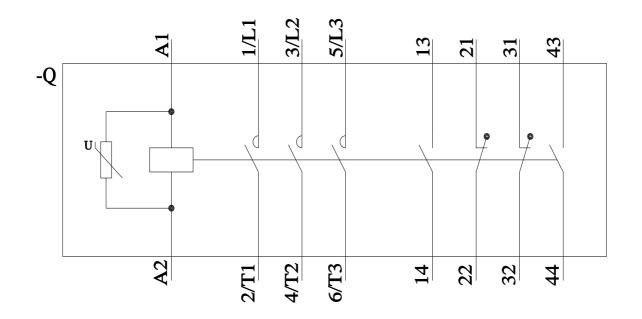
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1266-6AM36&objecttype=14&gridview=view1

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