SIEMENS

Data sheet 3RT1076-6AD36



power contactor, AC-3e/AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC Uc: 42-48 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	S12
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 	165 W
 at AC in hot operating state per pole 	55 W
 without load current share typical 	10 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 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)	
 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
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	
 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 	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	610 A
rated value	Olox
 up to 690 V at ambient temperature 60 °C rated value 	550 A
 up to 1000 V at ambient temperature 40 °C rated value 	200 A
 up to 1000 V at ambient temperature 60 °C rated value 	200 A
• at AC-3	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
at AC-4 at 400 V rated value	430 A
at AC-5a up to 690 V rated value	536 A
at AC-5b up to 400 V rated value	415 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	414 A
 up to 400 V for current peak value n=20 rated value 	414 A
 up to 500 V for current peak value n=20 rated value 	414 A
— up to 690 V for current peak value n=20 rated value	414 A
— up to 1000 V for current peak value n=20 rated value	180 A
 at AC-6a up to 230 V for current peak value n=30 rated value 	276 A
up to 400 V for current peak value n=30 rated value	276 A
 up to 500 V for current peak value n=30 rated value 	276 A
 up to 690 V for current peak value n=30 rated value 	276 A
— up to 1000 V for current peak value n=30 rated value	180 A
minimum cross-section in main circuit at maximum AC-1 rated value	370 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	175 A
• at 690 V rated value	150 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	

	100.1
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1 — at 24 V rated value	400 A
— at 110 V rated value	400 A 400 A
— at 220 V rated value	400 A 400 A
— at 440 V rated value	400 A 11 A
— at 600 V rated value	5.2 A
• at 1 current path at DC-3 at DC-5	U.2.A
— at 24 V rated value	400 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
with 2 current paths in series at DC-3 at DC-5	0.125 A
— at 24 V rated value	400 A
— at 110 V rated value	400 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	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 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	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles	
at AC-4	00.1111
at 400 V rated value	98 kW
• at 690 V rated value	148 kW
operating apparent power at AC-6a	160 000 kVA
• up to 230 V for current peak value n=20 rated value	160 000 kVA
• up to 400 V for current peak value n=20 rated value	280 000 VA
• up to 500 V for current peak value n=20 rated value	350 000 VA
up to 690 V for current peak value n=20 rated up to 1000 V for current peak value n=20 rated	490 000 VA 310 000 VA
up to 1000 V for current peak value n=20 rated value	010 000 VA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	110 000 VA
up to 400 V for current peak value n=30 rated value	190 000 VA
• up to 500 V for current peak value n=30 rated value	230 000 VA
up to 690 V for current peak value n=30 rated value	330 000 VA
• up to 1000 V for current peak value n=30 rated	310 000 VA
value	
short-time withstand current in cold operating state	
up to 40 °C	7.404 A. Hao minimum areas sastism are to A.C. t
Ilmited to 1 s switching at zero current maximum	7 484 A; Use minimum cross-section acc. to AC-1 rated value
Ilimited to 5 s switching at zero current maximum	7 484 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum limited to 20 s switching at zero current maximum	5 978 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	3 765 A; Use minimum cross-section acc. to AC-1 rated value

 limited to 60 s switching at zero current maximum 	2 887 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
 at AC-1 maximum 	500 1/h
 at AC-2 maximum 	170 1/h
at AC-3 maximum	420 1/h
at AC-3e maximum	420 1/h
at AC-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
	AC/DC
control supply voltage at AC	40 40 1/
at 50 Hz rated value	42 48 V
• at 60 Hz rated value	42 48 V
control supply voltage at DC	40 40 1/
• rated value	42 48 V
operating range factor control supply voltage rated	
value of magnet coil at DC • initial value	0.8
	1.1
full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
-	0.8 1.1
• at 50 Hz	0.8 1.1 0.8 1.1
• at 60 Hz	
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
● at 50 Hz	830 VA
• at 60 Hz	830 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	9.2 VA
● at 60 Hz	9.2 VA
inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
closing delay	
• at AC	45 100 ms
• at DC	45 100 ms
opening delay	
• at AC	60 100 ms
• at DC	60 100 ms
arcing 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 contact	2
number of NO contacts for auxiliary contacts	2
instantaneous contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value at 500 V rated value	2 A
at 690 V rated value at 690 V rated value	1 A
	10
operational current at DC-12	40.4
- at 0.4 \/ mate al \(\cdot = \cdot \)	
• at 24 V rated value	10 A
 at 24 V rated value at 48 V rated value at 60 V rated value 	10 A 6 A 6 A

• at 110 V roted value • at 120 V roted value • at 220 V roted value • at 248 V roted value • at 48 V roted value • at 68 V roted value • at 60 V roted value • at 100 V roted value • at 110 V roted value • at 120 V roted value • at 220 V roted value • at 800 V roted value •		
a 1220 V rated value	 at 110 V rated value 	3 A
• at 0.00 V rated value 0.15 A 0.	at 125 V rated value	2 A
	at 220 V rated value	1 A
	at 600 V rated value	0.15 A
• al 24 V rated value • al 60 V rated value • al 60 V rated value • al 61 V rated value • al 61 V rated value • al 125 V rated value • al 126 V rated value • al 820 V rated value • al 800 V rated value • al 800 V rated value • al 800 V rated value • al 600 V rated value • al		
• at 80 V rated value	•	10 Λ
at 110 V rated value		
a ti 125 V rated value at 800		
at 220 V rated value		
• at 800 V rated value contact reliability of auxiliary contacts UUCSA 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 • at 800 V rated value • at 9000 V rated value • book photocontact rating of auxiliary contacts according to UL 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 main circuit • for short-circuit protection of the main circuit • with type of assignment 2 required • for short-circuit protection of the main circuit • for main current circuit • for outsiliary and control circuit • for main current circuit • for main current circuit • for outsiliary and control circuit • for outs	 at 125 V rated value 	
Contact reliability of auxiliary contacts	 at 220 V rated value 	0.3 A
Tull-oad current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value (at 600 V rated value (b) value value (c) value value (d) value value (e) value val	at 600 V rated value	0.1 A
Tull-oad current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value (at 600 V rated value (b) value value (c) value value (d) value value (e) value val	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 2000 V rated value — at 220/230 V rated value — at 260/280 V rated value — at 275/3600 V rated value — at 275/3600 V rated value — at 575/3600 V rated value — with type of assignment 2 required so for short-circuit protection of the auxiliary switch e for short-circuit protection of the auxiliary switch give for short-circuit protection of the auxiliary switch a fastallation/mounting/dimensions mounting position fastallation/mounting/dimensions mounting position fastening method • side-by-side mounting fastening method • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • forwards — upwards — upwards — 10 mm — at the side • or grounded parts — forwards — upwards — 10 mm — at the side • or for low parts — forwards — upwards — 10 mm — to main current circuit — forwards — upwards — 10 mm — downwards — 10 mm — odwnwards — 10 mm — odwnwards — 10 mm — odwnwards — 10 mm — odwnwards — of mice parts — forwards — odwnwards — of mice parts — forwards — odwnwards — of mice parts — forwards — of or auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • of or auxiliary and cont	UL/CSA ratings	
a t 480 V rated value	-	
* at 600 V rated value yielded mechanical performance [hp] • for 3-phase AC motor — at 200/200 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — ot 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required 9G: 630 A (690 V, 100 kA) 9G: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) 9G: 10 A (500 V, 1 kA) required fastallation/mounting/dimensions mounting position with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-22.5* tiltable to the front and back screw fixing eith side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • of more and a control of the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — upwards — of ownwards — ownwards — ownwards		477 A
yielded mechanical performance [hp] • for 3-phase AC motor — at 200/200 V rated value — at 40/480 V rated value — at 40/480 V rated value — at 40/480 V rated value — the 40/480 V rated value — at 575/600 V rated value — the 40/480 V rated value — the 575/600 V rated value — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • side-by-side mounting • side-by-side mounting • with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-22.5° tillable to the front and back screw fixing • with side-by-side mounting • with side-by-		
for 3-phase AC motor		4/2 A
at 200/208 V rated value		
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - with type of contacts according to UL Short-circuit protection dosign of the fuse link - for short-circuit protection of the main circuit - with type of coordination 1 required - side-by-side mounting dimensions mounting position fastening method - side-by-side mounting - side-by-side mounting - with side-by-side mounting - forwards - upwards - upwards - upwards - odomwards - odomwards - of for grounded parts - for forwards - upwards - upwards - upwards - upwards - the side - downwards - upwards - upwards - the side - downwards - upwards - the side - downwards - upwards - the side - downwards - upwards - upwards - upwards - upwards - the side - downwards - upwards - upwards - the side - downwards - to main current circuit - for auxiliary and control circuit - of auxiliary contacts - Screw-type terminals - Screw-type terminals - Screw-type terminals	for 3-phase AC motor	
- at 450/480 V rated value - at 575/600 V rated value contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required with required with required with type of assignment 2 required with required spacing with side-by-side mounting with side-by-side mounting with required spacing with required with req	 at 200/208 V rated value 	150 hp
- at 575/600 V rated value contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required — with type of coordination 1 required — with type of ossignment 2 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required — with type of coordination of the auxiliary switch required Installation mounting/ dimensions mounting position side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting — forwards — upwards — downwards — odwnwards — odwnwards — upwards — for grounded parts — for grounded parts — for provards • for five parts — forwards • for five parts — downwards — upwards — upwards — upwards — upwards — the side — downwards — upwards — at the side — downwards — upwards — at the side — downwards — upwards — at the side — downwards — at the side — downwards — upwards — at the side — downwards — to main current circuit — for auxiliary and control circuit — for auxiliary and control circuit — for auxiliary contacts — connections Screw-type terminals — of magnet coll Screw-type terminals Screw-type terminals	 at 220/230 V rated value 	200 hp
- at 575/600 V rated value contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required — with type of coordination 1 required — with type of ossignment 2 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required — with type of coordination of the auxiliary switch required Installation mounting/ dimensions mounting position side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting — forwards — upwards — downwards — odwnwards — odwnwards — upwards — for grounded parts — for grounded parts — for provards • for five parts — forwards • for five parts — downwards — upwards — upwards — upwards — upwards — the side — downwards — upwards — at the side — downwards — upwards — at the side — downwards — upwards — at the side — downwards — at the side — downwards — upwards — at the side — downwards — to main current circuit — for auxiliary and control circuit — for auxiliary and control circuit — for auxiliary contacts — connections Screw-type terminals — of magnet coll Screw-type terminals Screw-type terminals	 at 460/480 V rated value 	400 hp
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting • with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-22.5" tiltable to the front and back screw fixing Yes According to the front and back screw fixing Yes - forwards - upwards - downwards - at the side - downwards - downwards - downwards - at the side - downwards	— at 575/600 V rated value	·
Short-circuit protection design of the fuse link		·
design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth 225 mm required spacing • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • forwards — upwards — downwards — at the side • for grounded parts — at the side — downwards • for live parts — forwards — aupwards — upwards — at the side — downwards • for live parts — forwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — at the side — downwards — to mm • for main current circuit • for magnet coil • Screw-type terminals		7,000 / 4,000
• 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, w		
with type of coordination 1 required with type of assignment 2 required vith type of assignment 2 required	•	
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting • with vertical mounting surface +/-90° rotatable, with vertical		
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with purface +/	 — with type of coordination 1 required 	gG: 630 A (690 V, 100 kA)
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position • side-by-side mounting • side-by-side mounting • with vertical mounting surface +/-90° rotatable, with vertical mounting +/es	 — with type of assignment 2 required 	
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with mounting surface +/-90° rotatable, with mounting surface +/-90° rotatable, w		V, 50 kA)
mounting position mounting position surface +/- 22.5° titable to the front and back fastening method screw fixing e side-by-side mounting height width depth 224 mm depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side for grounded parts — forwards — upwards — upwards — upwards — 10 mm e for grounded parts — forwards — upwards — 10 mm for for wards — upwards — upwards — 10 mm e for grounded parts — forwards — upwards — upwards — the side for grounded parts — forwards — upwards — the side for grounded parts — the side for mm - at the side 10 mm e at the side 10 mm for live parts — forwards — downwards — upwards — to mm e for live parts — forwards — upwards — upwards — to mm - to mm for live parts — forwards — upwards — the side — to mm - ownwards — the side — to mm - ownwards — the side — to mm - ownwards — to mm - ownwards — to mm - ownwards — the side — to mm - ownwards — to mm - ownwards — the side — to mm - ownwards — to mm		gG: 10 A (500 V, 1 kA)
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-92.5° tiltable to the front and back screw fixing • side-by-side mounting Pes height width depth required spacing • with side-by-side mounting — forwards — upwards — upwards — 10 mm — downwards — 10 mm • for grounded parts — forwards — upwards — upwards — at the side — downwards — 10 mm — at the side — downwards — 10 mm • for live parts — forwards — upwards — upwards — upwards — to mm • for live parts — forwards — upwards — at the side — downwards — to mm • for live parts — forwards — upwards — upwards — upwards — upwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — to mm • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil with vertical mounting surface +/-22.5° tiltable to the front and back screw-type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting surface +/-22.5° tiltable to the front and back screw type terminals virial munting screw type terminals virial	required	
fastening method screw fixing side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — at the side — oforwards — upwards — oforwards — upwards — of mounting — for grounded parts — forwards — at the side — of mounting — at the side — of mounting — at the side — of mounting — in mounting — of mounting connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • of magnet coil • of magnet coil Screw-type terminals • of magnet coil		
fastening method		
e side-by-side mounting height width 160 mm depth 225 mm required spacing • with side-by-side mounting — forwards 20 mm — upwards 10 mm — at the side 0 mm — of grounded parts — forwards 20 mm — at the side 10 mm — forwards 20 mm — upwards 10 mm — the side 10 mm — for live parts — forwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 10 mm — at the side 50 mm — at th	Installation/ mounting/ dimensions	with vertical mounting surface +/-90° rotatable, with vertical mounting
height width 160 mm 160 mm 225 mm required spacing • with side-by-side mounting — forwards 20 mm 10 mm 40	Installation/ mounting/ dimensions	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
width depth 225 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 — rorwards 20 mm — upwards 10 mm • for forwards 20 mm — upwards 10 mm — at the side 10 mm — at the side 10 mm — at the side 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm — of m main current circuit 50 mm • for auxiliary and control circuit 50 screw-type terminals • at contactor for auxiliary contacts 50 screw-type terminals • of magnet coil 50 screw-type terminals • Screw-type terminals • Screw-type terminals	Installation/ mounting/ dimensions mounting position	surface +/- 22.5° tiltable to the front and back
width depth 225 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 — rorwards 20 mm — upwards 10 mm • for forwards 20 mm — upwards 10 mm — at the side 10 mm — at the side 10 mm — at the side 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 20 mm — upwards 10 mm • for live parts — forwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm — of m main current circuit 50 mm • for auxiliary and control circuit 50 screw-type terminals • at contactor for auxiliary contacts 50 screw-type terminals • of magnet coil 50 screw-type terminals • Screw-type terminals • Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing
depth 225 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 20 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm • for live parts 20 mm — upwards 10 mm — downwards 10 mm — at the side 10 mm Connections/ Terminals type of electrical connection 0 connection bar • for auxillary and control circuit connection bar • for auxillary and control circuit connection bar • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes
required spacing with side-by-side mounting — forwards	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm
with side-by-side mounting — forwards — upwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — upwards — at the side — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — upwards — upwards — at the side — upwards — upwards — upwards — upwards — upwards — upwards — to mm — at the side — downwards — at the side — at the side — to mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals Screw-type terminals Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm
- 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 - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 20 mm - upwards 10 mm - downwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 50 mm - for auxiliary and control circuit 50 screw-type terminals 50 screw-typ	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 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 - at the side 10 mm - downwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 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 • for live parts - forwards 10 mm - at the side 10 mm • for live parts - forwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 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 • for live parts - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
 for grounded parts forwards upwards at the side downwards for live parts for live parts upwards upwards upwards downwards mm downwards mm at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals of magnet coil 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
- forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts - forwards 20 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm
- forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts - forwards 20 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm
- at the side	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm
- at the side	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 10 mm 0 mm
- downwards • for live parts - forwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil 10 mm Connection bar Screw-type terminals Screw-type terminals Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 10 mm 0 mm
 for live parts — forwards — upwards — downwards — at the side	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm
- 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 • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm 10 mm
 upwards downwards at the side 10 mm at the side 10 mm Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil 10 mm Connection bar screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm 10 mm
- downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • 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	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm 10 mm 10 mm
— at the side 10 mm Connections/ Terminals type of electrical connection • 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	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Connection bar screw-type terminals Screw-type terminals Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Connection bar screw-type terminals Screw-type terminals Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Connection bar screw-type terminals Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Connection bar screw-type terminals Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
 at contactor for auxiliary contacts of magnet coil Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
• of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm
width of connection par 25 mm	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm Some tiltable to the front and back screw-type terminals Screw-type terminals Screw-type terminals
	Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 10 mm Somm 10 mm 10 mm 10 mm 10 mm Somm Somm Somm Somm Somm Somm Somm S

thickness of connection bar 6 mm diameter of holes 11 mm number of holes type of connectable conductor cross-sections · at AWG cables for main contacts 2/0 ... 500 kcmil connectable conductor cross-section for main contacts stranded 70 ... 240 mm² connectable conductor cross-section for auxiliary contacts 0.5 ... 4 mm² solid or stranded • 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 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) - 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 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12 • at AWG cables for auxiliary contacts 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-No B10 value with high demand rate according to SN 31920 1 000 000 T1 value for proof test interval or service life according to 20 y IEC 61508 protection class IP on the front according to IEC IP00; IP20 with box terminal/cover 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover suitability for use · safety-related switching OFF Yes

Certificates/ approvals

General Product Approval EMC





Confirmation







Functional
Safety/Safety of Declaration of Conformity Test Certificates
Machinery

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping other









Miscellaneous

Confirmation

other Railway

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1076-6AD36

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1076-6AD36}}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AD36

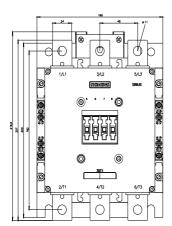
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

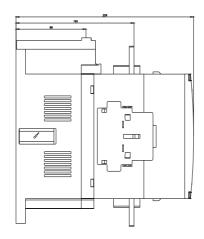
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-6AD36&lang=en

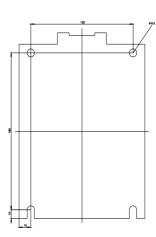
Characteristic: Tripping characteristics, I2t, Let-through current

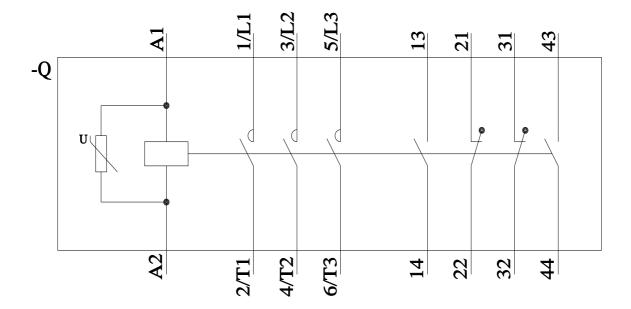
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AD36/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AD36&objecttype=14&gridview=view1









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