# **SIEMENS**

## Data sheet

## 3RT2045-1AL26

power contactor, AC-3 80 A, 37 kW / 400 V 2 NO + 2 NC, 230 V AC/50/60 Hz 3-pole, 3 NO, Size S3 screw terminal



product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	S3		
product extension			
<ul> <li>function module for communication</li> </ul>	No		
• auxiliary switch	Yes		
power loss [W] for rated value of the current			
<ul> <li>at AC in hot operating state</li> </ul>	15.9 W		
<ul> <li>at AC in hot operating state per pole</li> </ul>	5.3 W		
power loss [W] for rated value of the current without load current share typical	25 W		
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			
<ul> <li>between coil and main contacts acc. to EN 60947-1</li> </ul>	690 V		

IP20				
IP00				
6.7 g / 5 ms, 4.0 g / 10 ms				
10.6 g / 5 ms, 6.3 g / 10 ms				
10 000 000				
5 000 000				
10 000 000				
Q				
2 000 m				
-25 +60 °C				
-55 +80 °C				
3				
3				
1 000 V				
125 A				
125 A				
105 A				
105 A				
105 A 60 A				
105 A 60 A				
105 A 60 A 50 A				
105 A 60 A 50 A 80 A				

• at AC-5a up to 690 V rated value	110 A
• at AC-5b up to 400 V rated value	80 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	80 A
— up to 400 V for current peak value n=20 rated value	80 A
— up to 500 V for current peak value n=20 rated value	80 A
— up to 690 V for current peak value n=20 rated value	58 A
● at AC-6a	
— up to 230 V for current peak value n=30 rated value	54 A
— up to 400 V for current peak value n=30 rated value	54 A
— up to 500 V for current peak value n=30 rated value	54 A
— up to 690 V for current peak value n=30 rated value	54 A
minimum cross-section in main circuit	
<ul> <li>at maximum AC-1 rated value</li> </ul>	50 mm <sup>2</sup>
operating current for approx. 200000 operating	
cycles at AC-4	
	34 A
cycles at AC-4	34 A 24 A
• at 400 V rated value	
<ul><li>cycles at AC-4</li><li>at 400 V rated value</li><li>at 690 V rated value</li></ul>	
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current	
<ul> <li>cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating current</li> <li>at 1 current path at DC-1</li> </ul>	24 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value	24 A 100 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value	24 A 100 A 9 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value	24 A 100 A 9 A 2 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value	24 A 100 A 9 A 2 A 0.6 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value	24 A 100 A 9 A 2 A 0.6 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 24 V rated value — at 20 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1	24 A 100 A 9 A 2 A 0.6 A 0.4 A
<ul> <li>cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> </ul> </li> </ul>	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value = at 110 V rated value	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value = at 110 V rated value — at 24 V rated value = at 110 V rated value — at 220 V rated value	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A 100 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A 100 A 100 A 10 A
cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current • at 1 current path at DC-1 — at 24 V rated value — at 210 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 240 V rated value — at 240 V rated value — at 200 V rated value	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A 100 A 100 A 10 A
<ul> <li>cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 600 V rated value</li> <li>at 210 V rated value</li> <li>at 24 V rated value</li> <li>at 20 V rated value</li> </ul> </li> </ul>	24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A 100 A 10 A 10 A 1.8 A 1 A

— at 440 V rated value	4.5 A		
— at 600 V rated value	2.6 A		
operating current			
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	40 A		
— at 110 V rated value	2.5 A		
— at 220 V rated value	1 A		
— at 440 V rated value	0.15 A		
— at 600 V rated value	0.06 A		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	100 A		
— at 110 V rated value	100 A		
— at 220 V rated value	7 A		
— at 440 V rated value	0.42 A		
— at 600 V rated value	0.16 A		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	100 A		
— at 110 V rated value	100 A		
— at 220 V rated value	35 A		
— at 440 V rated value	0.8 A		
— at 600 V rated value	0.35 A		
operating power			
• at AC-2 at 400 V rated value	37 kW		
• at AC-3			
— at 230 V rated value	22 kW		
— at 400 V rated value	37 kW		
— at 500 V rated value	45 kW		
— at 690 V rated value	55 kW		
operating power for approx. 200000 operating cycles			
at AC-4			
• at 400 V rated value	17.9 kW		
at 690 V rated value	21.8 kW		
operating apparent output at AC-6a			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	31 kV·A		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	55 kV·A		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	69 kV·A		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	69 kV·A		
operating apparent output at AC-6a			

<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	21.5 kV·A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	37.4 kV·A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	46.7 kV·A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	64.5 kV·A
short-time withstand current in cold operating state	
up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	1 500 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	1 186 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	851 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	538 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	423 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	900 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	348 V·A
• at 60 Hz	296 V·A
inductive power factor with closing power of the coil	
• at 50 Hz	0.62
• at 60 Hz	0.55
apparent holding power of magnet coil at AC	

• at 50 Hz	25 V·A
• at 60 Hz	18 V·A
inductive power factor with the holding power of the coil	
• at 50 Hz	0.35
• at 60 Hz	0.41
closing delay	
• at AC	13 50 ms
opening delay	
• at AC	10 21 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2

number of NC contacts for auxiliary contacts	
• instantan sus santast	
<ul> <li>instantaneous contact</li> </ul>	2
number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	2
operating current at AC-12 maximum	10 A
operating current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operating current at DC-12	
• 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 220 V rated value	1 A
• at 600 V rated value	0.15 A
operating current at DC-13	
• at 24 V rated value	6 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

UL/CSA ratings

full-load current (FLA) for three-phase AC motor					
• at 480 V rated value	77 A				
• at 600 V rated value	62 A				
yielded mechanical performance [hp]					
<ul> <li>for single-phase AC motor</li> </ul>					
— at 110/120 V rated value	7.5 hp				
— at 230 V rated value	15 hp				
• for three-phase AC motor					
— at 200/208 V rated value	25 hp				
— at 220/230 V rated value	30 hp				
— at 460/480 V rated value	60 hp				
— at 575/600 V rated value	60 hp				
contact rating of auxiliary contacts according to UL	A600 / P600				
Short-circuit protection					
design of the fuse link					
<ul> <li>for short-circuit protection of the main circuit</li> </ul>					
— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)				
	: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A				
— with type of assignment 2 required	gG: 160A (690V,100KA), aM: 80A (690V,100KA), BS88: 125A (415V,80kA)				
<ul> <li>— with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>					
• for short-circuit protection of the auxiliary switch required	(415V,80kA)				
• for short-circuit protection of the auxiliary switch	(415V,80kA)				
• for short-circuit protection of the auxiliary switch required nstallation/ mounting/ dimensions	(415V,80kA) gG: 10 A (500 V, 1 kA)				
• for short-circuit protection of the auxiliary switch required nstallation/ mounting/ dimensions	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting				
• for short-circuit protection of the auxiliary switch required nstallation/ mounting/ dimensions mounting position	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail				
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  mounting type	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715				
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  mounting type      side-by-side mounting	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes				
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  mounting type      side-by-side mounting height	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm				
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  mounting type      side-by-side mounting  height  width  depth required spacing	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm 152 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>– forwards</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm 152 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm 152 mm 20 mm 10 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm 152 mm 20 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>nstallation/ mounting/ dimensions</li> <li>mounting position</li> <li>mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>	(415V,80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 140 mm 80 mm 152 mm 20 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position mounting type <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> </ul>	<ul> <li>(415V,80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> <li>Yes</li> <li>140 mm</li> <li>80 mm</li> <li>152 mm</li> <li>20 mm</li> <li>10 mm</li> <li>0 mm</li> <li>0 mm</li> </ul>				

— downwards	10 mm			
<ul> <li>for live parts</li> </ul>	10 11111			
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	10 mm			
Connections/ Terminals				
type of electrical connection				
<ul> <li>for main current circuit</li> </ul>	screw-type terminals			
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals			
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals			
<ul> <li>of magnet coil</li> </ul>	Screw-type terminals			
type of connectable conductor cross-sections				
<ul> <li>for main contacts</li> </ul>				
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (2.5 35 mm²), 1x (2.5 50 mm²)			
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (10 1/0), 1x (10 2)			
connectable conductor cross-section for main				
contacts				
• solid	2.5 16 mm <sup>2</sup>			
• stranded	6 70 mm <sup>2</sup>			
finely stranded with core end processing	2.5 50 mm²			
connectable conductor cross-section for auxiliary contacts				
<ul> <li>single or multi-stranded</li> </ul>	0.5 2.5 mm <sup>2</sup>			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>			
<ul> <li>type of connectable conductor cross-sections for auxiliary contacts</li> </ul>				
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)			
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
<ul> <li>type of connectable conductor cross-sections at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)			
AWG number as coded connectable conductor cross				
section				
<ul> <li>for main contacts</li> </ul>	10 2			
<ul> <li>for auxiliary contacts</li> </ul>	20 14			
Safety related data				
B10 value				
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	1 000 000			
proportion of dangerous failures				
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	40 %			
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %			
failure rate [FIT]				

• with low demand rate acc. to SN 31920	100 FIT
product function	
<ul> <li>mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation acc. to IEC 60947-5-</li> <li>1</li> </ul>	No
T1 value for proof test interval or service life acc. to IEC 61508	20 у
protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529
suitability for use safety-related switching OFF	Yes

Certificates/ appr	rovals			
General Prod	luct Approval			EMC
	CSA	<u>KC</u>	EAC	RCM

Declaration of	Conformity	Test Certificates		Marine / Shipping	
EG-Konf.	Miscellaneous	Type Test Certific- ates/Test Report	Special Test Certi- ficate	ABS	Lloyd's Register Irs
Marine / Shipp	bing			other	Railway
Selesta.	RINA	A REAL PROPERTY AND A REAL	REPROVED AROA	Confirmation	Vibration and Shock



#### 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=3RT2045-1AL26

### Cax online generator

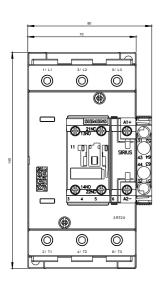
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2045-1AL26

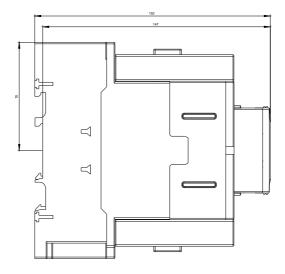
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AL26

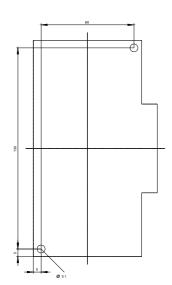
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2045-1AL26&lang=en

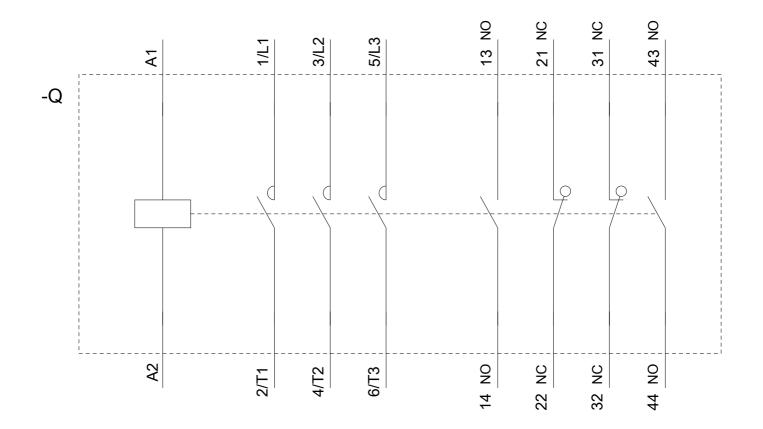
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AL26/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-1AL26&objecttype=14&gridview=view1









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