3RT2025-2AL24-3MA0

Data sheet



Power contactor, AC-3 17 A, 7.5 kW / $400\ V\ 2\ NO\ + 2\ NC$, 230 V AC, 50/60 Hz 3-pole, Size S0 Spring type terminal Captive auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current at AC in hot operating state	2.7 W
• per pole	0.9 W
power loss [W] for rated value of the current without load current share typical	7.9 W
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 10 ms
mechanical service life (switching 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 acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-25 +60 °C
ambient temperature during storage	-55 +80 °C
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	690 V

operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	40 A
rated value	
up to 690 V at ambient temperature 60 °C	35 A
rated value	
• at AC-3	47.4
— at 400 V rated value	17 A
— at 500 V rated value	17 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A 35.2 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	
at AC-5b up to 400 V rated valueat AC-6a	14.1 A
	11 / /
 up to 230 V for current peak value n=20 rated value 	11.4 A
— up to 400 V for current peak value n=20 rated	11.4 A
value	
— up to 500 V for current peak value n=20 rated	11.4 A
value — up to 690 V for current peak value n=20 rated	11.3 A
— up to 690 v for current peak value n=20 rated value	11.0 Λ
• at AC-6a	
— up to 230 V for current peak value n=30 rated	7.6 A
value	
— up to 400 V for current peak value n=30 rated	7.6 A
value — up to 500 V for current peak value n=30 rated	7.6 A
value	7.0 A
 up to 690 V for current peak value n=30 rated value 	7.6 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	7.7 A
at 690 V rated value	7.7 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
at 1 current path at DC-3 at DC-5 at 24 V roted value.	20.4
— at 24 V rated value	20 A

— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles	
at AC-4	
 at 400 V rated value 	3.5 kW
at 690 V rated value	6 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	4.5 kV·A
 up to 400 V for current peak value n=20 rated value 	7.8 kV·A
 up to 500 V for current peak value n=20 rated value 	9.9 kV·A
up to 690 V for current peak value n=20 rated value	13.6 kV·A
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	3 kV·A
 up to 400 V for current peak value n=30 rated value 	5.2 kV·A
 up to 500 V for current peak value n=30 rated value 	6.6 kV·A
up to 690 V for current peak value n=30 rated value	9.1 kV·A
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	225 A; Use minimum cross-section acc. to AC-1 rated value
limited to 1's switching at zero current maximum limited to 5 s switching at zero current maximum	225 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3's switching at zero current maximum limited to 10 s switching at zero current maximum	180 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum	115 A; Use minimum cross-section acc. to AC-1 rated value
limited to 50 s switching at zero current maximum limited to 60 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	OO A, OSE MINIMUM GIOSS-SECTION ACC. TO AC-1 Taleu Value
at AC	5 000 1/h
operating frequency	V 400 IIII
at AC-1 maximum	1 000 1/h
• at AC-2 maximum	1 000 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

### ### ### ### ### ### ### ### ### ##		
• at 60 Hz	apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil		
	at 60 Hz	67 V·A
■ at 60 Hz ■ at AC ■ at AC ■ pening delay ■ at AC ■ aring time ■ at AC ■ at AC ■ at AC ■ aring time ■ at AC		
apparent holdring power of magnet coil at AC at 50 Hz 5.5 VA	● at 50 Hz	0.72
• at 50 Hz	at 60 Hz	0.74
e at 50 Hz	apparent holding power of magnet coil at AC	
Inductive power factor with the holding power of the coll	at 50 Hz	7.9 V·A
a at 50 Hz	at 60 Hz	6.5 V·A
e at AC 9 38 ms opening delay		
closing delay	● at 50 Hz	0.25
e at AC opening delay	● at 60 Hz	0.28
a it AC	closing delay	
# at AC # 16 ms arcing time	• at AC	9 38 ms
arcing time	opening delay	
Control version of the switch operating mechanism Standard A1 - A2	• at AC	4 16 ms
Auxiliary circuit		10 10 ms
number of NC contacts for auxiliary contacts	control version of the switch operating mechanism	Standard A1 - A2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 800 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 24 V rated value • at 125 V rated value • at 125 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 200 V rated value • at 600 V rated value • at 200 V rated value • at 600 V rated value • at 200 V rated value • at 480 V rated value • at 600 V rated value • at	Auxiliary circuit	
instantaneous contact operational current at AC-12 maximum 10 A		2
operational current at AC-15		2
	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	 at 230 V rated value 	6 A
• at 690 V rated value	 at 400 V rated value 	3 A
operational current at DC-12	 at 500 V rated value 	2 A
• at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated value • at 10 V rated value • at 10 V rated value • at 25 V rated value • at 25 V rated value • at 26 V rated value • at 26 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 200 V rated value • 3 hp • for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • 5 hp	 at 690 V rated value 	1 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 1220 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 20 V rated value at 3 A at 600 V rated value at 3 A at 600 V rated value at 480 V rated value at 200 V rated value for single-phase AC motor at 10 I 12 V rated value at 200 V rated value by at 200 V rated value contact rate value contact rate value respection of the contact	operational current at DC-12	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 600 V rated value 2 A at 100 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 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value at 200/208 V rated value bp 	at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value onto V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 125 V rated value at 120 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 200 V rated value at 200/208 V rated value at 200/208 V rated value bt p 	 at 48 V rated value 	6 A
 at 125 V rated value at 220 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 24 V rated value at 8 V rated value at 6 A at 8 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value at 3 hp for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value bp 	 at 60 V rated value 	6 A
 at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value at 7 A in p at 230 V rated value at 220/230 V rated value at 220/230 V rated value bp 	 at 110 V rated value 	3 A
• at 600 V rated value 0.15 A operational 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 3-phase AC motor • at 480 V rated value 14 A • at 600 V rated value 17 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp	 at 125 V rated value 	2 A
operational current at DC-13	 at 220 V rated value 	1 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value bp 	at 600 V rated value	0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 1480 V rated value at 600 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value bp 	operational current at DC-13	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value bat 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value 5 hp 	 at 24 V rated value 	6 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at aulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 220/230 V rated value bp 	 at 48 V rated value 	2 A
 at 125 V rated value at 220 V rated value 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 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value shp for 3-phase AC motor at 200/208 V rated value 3 hp at 220/230 V rated value 5 hp 	• at 60 V rated value	2 A
 at 220 V rated value 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 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value at 200/208 V rated value 3 hp at 200/208 V rated value 5 hp 	• at 110 V rated value	1 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 3-phase AC motor at 480 V rated value at 600 V rated value 17 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 3 hp at 200/208 V rated value 5 hp 	• at 125 V rated value	0.9 A
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 17 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp	• at 220 V rated value	0.3 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 14 A • at 600 V rated value 17 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp		0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 17 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 5 for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp		1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 17 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value at 230 V rated value for 3-phase AC motor — at 200/208 V rated value 3 hp at 220/230 V rated value 5 hp 	UL/CSA ratings	
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp 		
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 5 hp		
 for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp 	at 600 V rated value	17 A
 — at 110/120 V rated value — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 5 hp 		
 — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 5 hp 	 for single-phase AC motor 	
◆ for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp	 at 110/120 V rated value 	1 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 5 hp	— at 230 V rated value	3 hp
— at 220/230 V rated value 5 hp	 for 3-phase AC motor 	
	— at 200/208 V rated value	3 hp
— at 460/480 V rated value 10 hp	 at 220/230 V rated value 	5 hp
	— at 460/480 V rated value	10 hp

— at 575/600 V rated value	15 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 	
 — with type of coordination 1 required 	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
 — with type of assignment 2 required 	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	Yes
height	102 mm
width	45 mm
depth	144 mm
required spacing	
with side-by-side mounting	40
— forwards	10 mm
— upwards — downwards	10 mm 10 mm
— downwards — at the side	0 mm
for grounded parts	O IIIIII
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
at contactor for auxiliary contacts	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections • for main contacts	
Tor main contacts — solid	2x (1 10 mm²)
solid solid or stranded	2x (1 10 mm²)
— finely stranded with core end processing	2x (1 6 mm²)
finely stranded without core end processing	2x (1 6 mm²)
at AWG cables for main contacts	2x (18 8)
connectable conductor cross-section for main	
contacts	
• solid	1 10 mm ²
• stranded	1 10 mm²
finely stranded with core end processing	1 6 mm ²
finely stranded without core end processing connectable conductor cross-section for auxiliary contacts.	1 6 mm ²
contacts	0.5 2.5 mm ²
solid or stranded finely stranded with core and processing	0.5 2.5 mm ² 0.5 1.5 mm ²
finely stranded with core end processingfinely stranded without core end processing	0.5 1.5 mm² 0.5 2.5 mm²
- intery stranded without core end processing	0.0 2.0 11111

 for auxiliary contacts 	
 solid or stranded 	2x (0.5 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 14)
AWG number as coded connectable conductor cross section for main contacts	18 8
 AWG number as coded connectable conductor cross section for auxiliary contacts 	20 14
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures	
proportion of dangerous failures ■ with low demand rate acc. to SN 31920	40 %
	40 % 73 %
• with low demand rate acc. to SN 31920	
with low demand rate acc. to SN 31920with high demand rate acc. to SN 31920	73 %
 with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 	73 %
with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 product function	73 % 100 FIT
with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 product function mirror contact acc. to IEC 60947-4-1	73 % 100 FIT Yes
with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 product function mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 T1 value for proof test interval or service life acc. to	73 % 100 FIT Yes No
with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 product function mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 T1 value for proof test interval or service life acc. to IEC 61508	73 % 100 FIT Yes No 20 y

Certificates/ approvals

General Product Approval

EMC







<u>KC</u>





Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous



Type Test
Certificates/Test
Report







Marine / Shipping

other









Confirmation



other

Confirmation

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=3RT2025-2AL24-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2025-2AL24-3MA0

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

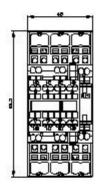
https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2AL24-3MA0

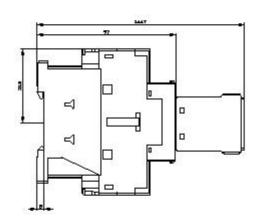
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2025-2AL24-3MA0&lang=en

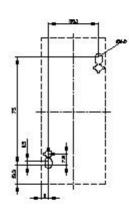
Characteristic: Tripping characteristics, I2t, Let-through current

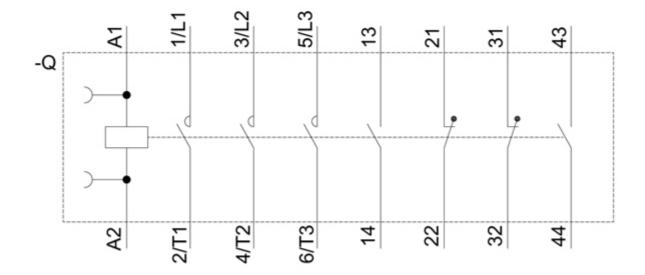
https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2AL24-3MA0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2025-2AL24-3MA0&objecttype=14&gridview=view1









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