3RT2026-4XB40-0LA2

Data sheet



Traction contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC with electronic drive 24 V DC, 0.7-1.25* US, with integrated varistor, 3-pole, Size S0, ring cable lug connection

product brand name	SIRIUS
product designation	Contactor
design of the product	With extended operating range
product type designation	3RT2
General technical data	
size of contactor	S0
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 	4.8 W
 at AC in hot operating state per pole 	1.6 W
 without load current share typical 	0.8 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
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 according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-40 +70 °C
during storage	-55 +80 °C
relative humidity minimum	10 %

relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain 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
 at AC-3e 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 rated value 	40 A
 up to 690 V at ambient temperature 60 °C rated value 	35 A
 at AC-2 at 400 V rated value 	25 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	25.4
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated valueat AC-4 at 400 V rated value	13 A 15.5 A
minimum cross-section in main circuit	15.5 A
at maximum AC-1 rated value	10 mm²
at maximum lth rated value	10 mm²
operational current for approx. 200000 operating	10 111111
cycles at AC-4	
 at 400 V rated value 	9 A
at 690 V rated value	9 A
operating power	
 at AC-2 at 400 V rated value 	11 kW
• at AC-3	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
• at AC-3e	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	299 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 10 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	128 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	106 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	1 500 1/h
operating frequency	
• at AC-1 maximum	750 1/h
• at AC-2 maximum	750 1/h
at AC-3 maximum	750 1/h

• at AC-3e maximum	750 1/h
 at AC-2 at AC-3e maximum 	750 1/h
at AC-4 maximum	250 1/h
Ratings for railway applications	
thermal current (Ith) up to 690 V	
 up to 40 °C according to IEC 60077 rated value 	40 A
 up to 70 °C according to IEC 60077 rated value 	30 A
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated	
value of magnet coil at DC	
initial value	0.7
full-scale value	1.25
design of the surge suppressor	with varistor
inrush current peak	3 A
duration of inrush current peak	30 µs
locked-rotor current mean value	0.3 A
locked-rotor current peak	0.52 A
duration of locked-rotor current	180 ms
holding current mean value	45 mA
closing power of magnet coil at DC	6.7 W
holding power of magnet coil at DC	1.4 W
closing delay	
• at DC	50 75 ms
opening delay	
• at DC	30 50 ms
arcing time	10 10 ms
control version of the switch energting mechanism	Standard A1 - A2
control version of the switch operating mechanism	Standard AT - AZ
Auxiliary circuit	Otalidate AT - AZ
	1
Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact	1
Auxiliary circuit number of NC contacts for auxiliary contacts	1
Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact	1
Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operational current at AC-12 maximum	1 1 1
Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact	1 1 1 1
Auxiliary circuit number of NC contacts for auxiliary contacts • 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	1 1 1 1 10 A
Auxiliary circuit number of NC contacts for auxiliary contacts • 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	1 1 1 1 10 A 10 A 3 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value	1 1 1 1 10 A 10 A 3 A 2 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value	1 1 1 1 10 A 10 A 3 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12	1 1 1 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value	1 1 1 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value	1 1 1 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value	1 1 1 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value	1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 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	1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 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	1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value	1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 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 600 V rated value at 600 V rated value operational current at DC-13	1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 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 600 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 24 V rated value at 24 V rated value	1 1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 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 220 V rated value at 600 V rated value	1 1 1 1 1 1 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 2 A 1 A 0.15 A
Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value at 690 V rated value operational current at DC-12 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 220 V rated value at 600 V rated value at 24 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	1 1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A
number of NC contacts for auxiliary contacts	1 1 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A

• at 489 V rated value 21 A • at 600 V roted value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 1101/20 V rated value 2 hp — at 200/280 V rated value 5 hp — at 200/280 V rated value 5 hp — at 200/280 V rated value 7,5 hp — at 400/280 V rated value 15 hp — ot 575/800 V rated value 20 hp — ot 675/800 V rated value 20 hp — ot 675/8		
yielded mechanical performance (hp) • for single-phase AC motor — at 10/120 V rated value — at 230 V rated value — at 200/230 V rated value — at 575 500 V	 at 480 V rated value 	21 A
of or single-phase AC motor		22 A
	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 275/800 V rated value - at 575/800 V rated value - at 675/800 V rated value - at 686/800 V rated value - with type of coordination 1 required - with type of assignment 2 required - at 696/800 V rated value - with type of assignment 2 required - side by-side mounting dimensions - at 696 v rated value - side by-side mounting - with side-by-side mounting - with side-by-side mounting - with side-by-side mounting - with side-by-side mounting - at 696 v rated value - at 696 v rat	9 1	
of or 3-phase AC motor	 — at 110/120 V rated value 	·
		3 hp
at 220220 V rated value at 460480 V rated value at 675600 V rated value at 675600 V rated value 20 hp	•	
at 480480 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 9G: 100 A (890 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) — with type of assignment 2 required 9G: 100 A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 V, 80 kA) — with type of assignment 2 required 9G: 10 A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 V, 80 kA) ### for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required ### for short-circuit protection for short-circuit protection of the auxiliary switch required ### for short-circuit protection of the auxiliary switch required and backward by #-22.5* on vertical mounting surface; can be titled horward and backward by #-22.5* on vertical mounting surface; can be titled according to Sin En 60715 ### side-by-side mounting ### for short-circuit protection of the auxiliary switch required and backward by #-22.5* on vertical mounting surface; can be titled according to Sin En 60715 ### for short-circuit protection ### for short-circuit protection ### for short-circuit protection ### for short-circuit protection of the auxiliary switch required space and backward by #-22.5* on vertical mounting surface; can be titled according to Sin En 60715 ### for short-circuit protection on the standard mounting rail according to Sin En 60715 ### for short-circuit protection on the standard mounting surface; can be titled according to Sin En 60715 ### for short-circuit protection on the standard mounting surface; can be titled according to Sin En 60715 ### for short-circuit protection on the standard mounting surface; can be titled short-circuit protection on the standard protection on the standard protection on the standard protection on the standard protec	— at 200/208 V rated value	5 hp
A600 / G600		
Short-circuit protection Product function short circuit protection Product function short circuit protection Product function short circuit protection of the main circuit For short-circuit protection of the main circuit Signature Product Signature Sign		
product function short circuit protection delign of the fuse link		A600 / Q600
design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch 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 solid position stallation mounting / dimensions		
• 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 fastening method • side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • for grounded parts — downwards — at the side — downwards — of for grounded parts — for for ive parts — downwards — otherwards — other		No
- with type of coordination 1 required with type of assignment 2 required 2 required 3 require	•	
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 • side-by-side mounting • with side-by-side mounting • to many and a second and backward by */- 22.5" on vertical mounting surface: can be titled forward and backward by */- 22.5" on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall according to DIN EN 60715 • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • to many and a side on the side on	•	
• for short-circuit protection of the auxiliary switch required Installation mounting/ dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • required spacing • with side-by-side mounting • ronwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side — downwards — to make the side	 — with type of coordination 1 required 	
required mounting position mounting position fastening method side-by-side mounting height width dopth - forwards - upwards - at the side - at the side - downwards - in mm - for remain current circuit - of main current circuit - of main current circuit - of maculiary and control circuit - of magic patient contacts - of magnet coil Safety related data product function mirror contact according to IEC 60947-4-1 - positively driven operation according to EC 60947-5-1 - B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— with type of assignment 2 required	
mounting position fastening method side-by-side mounting • side-by-side mounting surface; can be tilted forward and backward by +-22.5° or vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting surface screw and snap-on mounting onto 35 mm standard mounting surface; can be tilted according to IN Temmal * side-by-side mounting surface; can be tilted forwards 10 mm • or main current circut • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-8-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-6-1 •		,
### fastening method Fastening method Screw and snap-on mounting our face; can be tilted forward and backward by #-/ 22.5" on vertical mounting surface; can be tilted forward and backward by #-/ 22.5" on vertical mounting surface; can be tilted forward and backward by #-/ 22.5" on vertical mounting surface; can be tilted forward and backward by #-/ 22.5" on vertical mounting surface; can be tilted forward according to DIN EN 60715 Fastening method	·	
fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 * side-by-side mounting Yes height 91 mm width 45 mm depth 107 mm required spacing * with side-by-side mounting — forwards 10 mm — upwards 10 mm — at the side 0 mm * for grounded parts — forwards 10 mm — at the side 6 mm — upwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm — ownwards 10 mm — at the side 6 mm Connections Terminals type of electrical connection * for auxillary and control circuit ring terminal lug connection * of magnet coil Ring cable lug connection * ing cable lug connection * mirror contact according to IEC 60947-41 * positively driven operation according to IEC 60947-51 B10 value with high demand rate according to SN 31920 proportion of dangerous failures		+/-180° rotation possible on vertical mounting surface; can be tilted
e side-by-side mounting height width depth 107 mm required spacing • with side-by-side mounting — forwards — upwards — odwnwards — of regrounded parts — for grounded parts — forwards — upwards — upwards — at the side • for grounded parts — forwards — odwnwards — 10 mm • for grounded parts — forwards — upwards — upwards — odwnwards — 10 mm • for live parts — forwards — odwnwards • for live parts — forwards — upwards — 10 mm • for main current circuit • for auxillary and control circuit • at contactor for auxillary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation as coording to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures		
height 91 mm width 45 mm depth 107 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — of or grounded parts — for grounded parts — forwards 10 mm • for grounded parts — of own and 10 mm • for grounded parts — forwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm • for live parts — downwards 10 mm — at the side 6 mm Connections/ Terminals type of electrical connection • for auxiliary and control circuit ring terminal lug connection • for auxiliary and control circuit Ring cable lug connection • for magnet coil Ring cable lug connection • ing cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Apositive of the proportion of dangerous failures proportion of dangerous failures	fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
width depth 107 mm required spacing with side-by-side mounting — forwards 10 mm — upwards 10 mm — at the side 0 mm forgrounded parts — forwards 10 mm upwards 10 mm forgrounded parts — forwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm — upwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm for live parts — for live parts — forwards 10 mm for live parts — downwards 10 mm — at the side 6 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit ring terminal lug connection of or auxiliary and control circuit ring terminal lug connection of magnet coil Ring cable lug connection at contactor for auxiliary contacts Ring cable lug connection of magnet coil Ring cable lug connection ing terminal lug connection Ring cable lug connection at contactor for auxiliary contacts Ring cable lug connection ing terminal lug connection Ring cable lug connection ing terminal lug connection ing ter	side-by-side mounting	Yes
depth 107 mm required spacing with side-by-side mounting — forwards 10 mm — upwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm — forwards 10 mm — forwards 10 mm — upwards 10 mm — upwards 10 mm — upwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm — downwards 10 mm — forwards 10 mm — upwards 10 mm — at the side 6 mm Upwards 10 mm — at the side 6 mm Upwards 10 mm — at the side 6 mm Upwards 10 mm	height	91 mm
required spacing with side-by-side mounting — forwards — upwards — downwards — at the side for grounded parts — forwards — upwards — upwards — upwards — upwards — to mm — at the side — downwards — upwards — to mm — upwards — to mm — upwards — to filve parts — for live parts — for live parts — forwards — upwards — to mm — upwards — to mm — upwards — to mm — the side — downwards — to mm — at the side — downwards — of mm — at the side — for auxiliary and control circuit — for auxiliary and control circuit — at contactor for auxiliary contacts — of magnet coil Safety related data product function — mirror contact according to IEC 60947-6-1 — positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 10 mm 10 mm 10 mm 10 mm 10 mm 11 mm 12 mm 13 mm 14 mm 14 mm 15 mm 16 mm 17 mm 18 mg cable lug connection 18 mg cable lug connection 19 mg cable lug connection 20 mg cable lug connection 21 mg cable lug connection 22 mg cable lug connection 23 mg cable lug connection 24 mg cable lug connection 25 mg cable lug connection 26 mg cable lug connection 27 mg cable lug connection 28 mg cable lug connection 29 mg cable lug connection 20 mg cable lug connection 26 mg cable lug connection 27 mg cable lug connection 28 mg cable lug connection 29 mg cable lug connection 20 mg cable lug connection 21 mg cable lug connection 21 mg cable lug connection 22 mg cable lug connection 29 mg cable lug connection 20 mg cable lug connection 21 mg cable lug connection 22 mg cable lug connection 23 mg cable lug connection 24 mg cable lug connection 20 mg cable lug connection 20 mg cable	width	45 mm
with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — upwards — forwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — I D mm — at the side — downwards — for live parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — downwards — upwards — at the side — downwards — upwards — at the side — formalls **Connections/Terminals** **type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil **Safety related data** **product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 **B10 value with high demand rate according to SN 31920 **proportion of dangerous failures**	depth	107 mm
forwards	required spacing	
- upwards 10 mm - downwards 0 mm - at the side 0 mm - for grounded parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - for live parts - forwards 10 mm - upwards 10 mm - to froil we parts 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection - for main current circuit Ring cable lug connection - for auxiliary and control circuit ring terminal lug connection - at contactor for auxiliary contacts Ring cable lug connection - of magnet coil Ring cable lug connection - of mag	with side-by-side mounting	
- downwards	— forwards	10 mm
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards • for live parts - forwards - forwards - forwards - forwards - forwards - forwards - downwards - upwards - downwards - at the side - at the side - at the side - for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— upwards	10 mm
for grounded parts — forwards — upwards — at the side — downwards — for live parts — forwards — forwards — forwards — forwards — upwards — upwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 10 mm — fmm — fmm — fmm — downwards — fmm — fmm	— downwards	10 mm
forwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm • for live parts forwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm at the side 6 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit Ring cable lug connection for auxiliary and control circuit ring terminal lug connection at contactor for auxiliary contacts Ring cable lug connection of magnet coil Ring cable lug connection Safety related data product function mirror contact according to IEC 60947-4-1 mirror contact according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— at the side	0 mm
- upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	 for grounded parts 	
- at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit Ring cable lug connection • for auxiliary and control circuit ring terminal lug connection • at contactor for auxiliary contacts Ring cable lug connection • of magnet coil Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous faillures	— forwards	10 mm
- downwards • for live parts - forwards - 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— upwards	10 mm
for live parts — forwards — 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 10 mm — num Ring cable lug connection Ring cable lug connection Ring cable lug connection No Safety related data Product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to SN 31920 450 000	— at the side	6 mm
forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit Ring cable lug connection for auxiliary and control circuit ring terminal lug connection at contactor for auxiliary contacts Ring cable lug connection of magnet coil Ring cable lug connection Safety related data product function mirror contact according to IEC 60947-4-1 Yes positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— downwards	10 mm
- upwards 10 mm - downwards 6 mm Connections/ Terminals type of electrical connection • for main current circuit Ring cable lug connection • for auxiliary and control circuit ring terminal lug connection • at contactor for auxiliary contacts Ring cable lug connection • of magnet coil Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	 for live parts 	
- 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— forwards	10 mm
- at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit Ring cable lug connection • for auxiliary and control circuit ring terminal lug connection • at contactor for auxiliary contacts Ring cable lug connection • of magnet coil Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 6 mm A mirror cable lug connection Ves No 450 000	— upwards	10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— downwards	10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures	— at the side	6 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures Ring cable lug connection Sate call call call call call call call cal	Connections/ Terminals	
• for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures ring terminal lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection A ves Yes 450 000	type of electrical connection	
 at contactor for auxiliary contacts of magnet coil Ring cable lug connection Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	for main current circuit	Ring cable lug connection
● of magnet coil Safety related data product function ● mirror contact according to IEC 60947-4-1 ● positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures Ring cable lug connection Yes No 450 000	 for auxiliary and control circuit 	ring terminal lug connection
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures Yes No 450 000	 at contactor for auxiliary contacts 	
product function	of magnet coil	Ring cable lug connection
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	Safety related data	
positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures No 450 000	product function	
5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 450 000		Yes
proportion of dangerous failures		No
	B10 value with high demand rate according to SN 31920	450 000
• with low demand rate according to SN 31920 40 %	proportion of dangerous failures	
	with low demand rate according to SN 31920	40 %

 with high demand rate according to SN 31920 	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
protection class IP on the front according to IEC 60529	IP00
Communication/ Protocol	
product function bus communication	No
Certificates/ approvals	

General Product Approval



Confirmation





<u>KC</u>



Functional EMC Safety/Safety of Declaration of Conformity Test Certificates Machinery	
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Type Examination Certificate



Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping other Railway **Dangerous Good**



Confirmation



Vibration and Shock

Type Test Certificates/Test Report

Transport Information

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=3RT2026-4XB40-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-4XB40-0LA2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-4XB40-0LA2

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

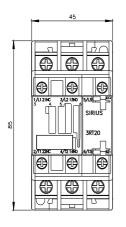
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-4XB40-0LA2&lang=en

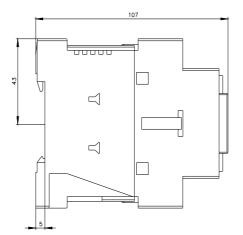
Characteristic: Tripping characteristics, I2t, Let-through current

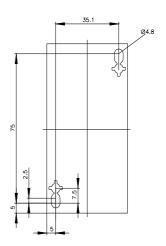
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-4XB40-0LA2/char

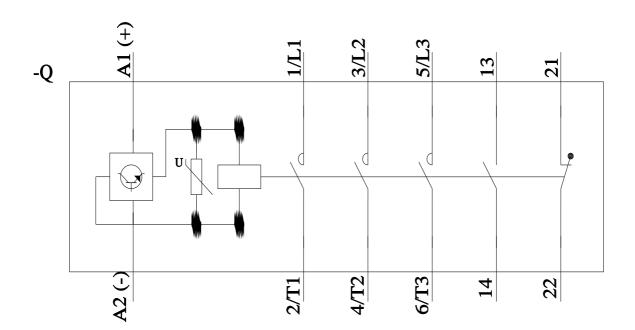
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-4XB40-0LA2&objecttype=14&gridview=view1









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2/1/2022