SIEMENS

Data sheet

3RT2526-2BB40



2NO+2NC CONTACTOR, AC3: 11KW DC 24V 4-POLE, 2NO+2NC, SZ: S0, SPRING-LOADED TERMINAL 1NO+1NC INTEGR.

product brand name	_	SIRIUS
•		3RT2 contactor
Product designation		SR12 contactor
General technical data:		
Insulation voltage		
Rated value	V	690
Degree of pollution		3
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
 of the contactor typical 		10 000 000
 of the contactor with added electronics- 		5 000 000
compatible auxiliary switch block typical		
 of the contactor with added auxiliary switch 		10 000 000
block typical		
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
Main circuit:		
Number of poles for main current circuit		4
Number of NC contacts for main contacts		2
Number of NO contacts for main contacts		2
Operating current		
• at AC-1		

— up to 690 V at ambient temperature 40 °C Rated value	А	40
— up to 690 V at ambient temperature 60 °C Rated value	А	35
• at AC-2 at AC-3 at 400 V		
— per NO contact Rated value	А	25
— per NC contact Rated value	A	20
Operating current with 1 current path		20
• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	4.5
— at 220 V Rated value	А	1
— at 440 V Rated value	А	0.4
• at DC-3 at DC-5		
— at 24 V per NC contact Rated value	А	20
— at 24 V per NO contact Rated value	A	20
— at 110 V per NC contact Rated value	A	1.25
— at 110 V per NO contact Rated value	A	2.5
- at 220 V per NC contact Rated value	A	0.5
— at 220 V per NO contact Rated value	A	1
— at 440 V per NC contact Rated value	A	0.045
— at 440 V per NO contact Rated value	A	0.09
Operating current with 2 current paths in series	-	
• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	35
— at 220 V Rated value	А	5
— at 440 V Rated value	А	1
• at DC-3 at DC-5		
— at 110 V per NC contact Rated value	А	7.5
— at 110 V per NO contact Rated value	А	15
— at 220 V per NC contact Rated value	A	1.5
— at 220 V per NO contact Rated value	А	3
— at 24 V per NC contact Rated value	А	35
— at 24 V per NO contact Rated value	А	35
— at 440 V per NC contact Rated value	А	0.135
— at 440 V per NO contact Rated value	А	0.27
Operating power		
• at AC-1 at 400 V Rated value	kW	26
Operating power		
● at AC-1		

	• at AC-2 at AC-3		
		k\M	5.5
	·		
Los 00 V per NO contact Rated value kW 11 Control circuit/ Control: DC Type of voltage of the control supply voltage DC Control supply voltage for DC V 24 Operating range factor control supply voltage rated value 0.8 1.1 Closely power of the magnet coll for DC W 5.9 Holding power of the magnet coll for DC W 5.9 Auxiliary contacts 1 - instantaneous contact 1 Number of NC contacts 1 - instantaneous contact 1 Product expansion Auxiliary switch Yes Operating current A - at 200 V Rated value A - at DC-12 at 125 V Rated value A - at DC-12 at 125 V Rated value A - at DC-12 at 125 V Rated value A - at DC-13 at 125 V Rated value A - at DC-13 at 125 V Rated value A - at DC-13 - at 24 V Rated value - at 10 V Rated value A - at 10 V Rated value A	·		
Control circuit/ Control: Type of voltage of the control supply voltage DC Control circuit/ Control: V Preated value V Operating range factor control supply voltage rated value of the magnet coil for DC 0.8 1.1 Closing power of the magnet coil for DC W Spectating range factor control supply voltage rated value of the magnet coil for DC W Closing power of the magnet coil for DC W Number of NC contacts			
Type of voltage of the control supply voltage DC Control supply voltage for DC V 24 Operating range factor control supply voltage rated value V 24 Operating range factor control supply voltage rated value of the magnet coil for DC W 5.9 Holding power of the magnet coil for DC W 5.9 Auxiliary circuit: V 24 Number of NC contacts 1 - instantaneous contact 1 Product expansion Auxiliary witch Yes Operating current at AC-15 1 • at 230 V Rated value A 1 • at 600 V Rated value A 3 • at 600 V Rated value A 1 • at 600 V Rated value A 1 • at DC-12 at 125 V Rated value A 1 • at DC-12 at 220 V Rated value A 1 • at DC-12 at 220 V Rated value A 0.9 • at DC-12 at 220 V Rated value A 0.15 • at DC-12 at 220 V Rated value A 0.1 Operating current • 0.1 • at DC-13 at 220 V Rated value A 0.1 Operating current • 0.1 • at DC-13 at 220 V Rated value A 0.1 Operating	— at 400 v per NO contact Rated value	KVV	
Control supply voltage for DC V 24 Operating range factor control supply voltage rated value 0.8 1.1 Value of the magnet coil for DC W 5.9 Closing power of the magnet coil for DC W 5.9 Auxiliary circuit: W 5.9 Number of NC contacts V 24 • for auxiliary contacts 1 • at 230 V Rated value A 10 • at 400 V Rated value A 1 • at 600 V Rated value A 1 • at 600 V Rated value A 1 • at 0C-12 at 125 V Rated value A 0.15 • at 0C-12 at 220 V Rated value A 0.16 • at 0C-12 at 220 V Rated value A 0.1	Control circuit/ Control:		
• Rated valueV24Operating range factor control supply voltage rated value of the magnet coil for DC0.8 1.1Closing power of the magnet coil for DCW5.9Holding power of the magnet coil for DCW5.9Auxiliary circuit:V5.9Number of NC contacts1• for auxiliary contacts1• instantaneous contact1Product expansion Auxiliary switchYesOperating current at AC-151• at 230 V Rated valueA• at 300 V Rated valueA• at 300 V Rated valueA• at 00 V Rated valueA• at 00-12 at 125 V Rated valueA• at 00-13 at 220 V Rated valueA• at 00-13 at 220 V Rated valueA• at 00-13 at 220 V Rated valueA• at 00-13Correl• at 00-13-• at 00-13• at 00-13• at 00			DC
Operating range factor control supply voltage rated value of the magnet coil for DCW5.9Closing power of the magnet coil for DCW5.9Holding power of the magnet coil for DCW5.9Auxiliary circuit:W5.9Number of NC contacts1• for auxiliary contacts1- instantaneous contact1Product expansion Auxiliary switchYesOperating current at AC-151• at 230 V Rated valueA• at 230 V Rated valueA• at 200 V Rated valueA• at 200 V Rated valueA• at DC-12 at 25 V Rated valueA• at DC-12 at 25 V Rated valueA• at DC-13 at DC-13 at DC-13 at DC-13 at DC-13A• at DC-13	Control supply voltage for DC		
value of the magnet coll for DCW5.9Closing power of the magnet coll for DCW5.9Holding power of the magnet coll for DCW5.9Auxiliary circuit:W5.9Number of NC contacts1		V	24
Holding power of the magnet coll for DCW5.9Auxiliary circuit:Number of NC contacts1instantaneous contact1Number of NO contacts1instantaneous contact1Product expansion Auxiliary switchYesOperating current at AC-15			0.8 1.1
Auxiliary circuit: Number of NC contacts • for auxiliary contacts	Closing power of the magnet coil for DC	W	5.9
Number of NC contacts 1 • for auxiliary contacts 1 — instantaneous contact 1 Number of NO contacts 1 • for auxiliary contacts 1 — instantaneous contact 1 Product expansion Auxiliary switch Yes Operating current at AC-15 1 • at 230 V Rated value A 10 • at 400 V Rated value A 3 • at 690 V Rated value A 1 Operating current A 1 • at 000 V Rated value A 1 Operating current A 1 • at 000 V Rated value A 1 Operating current A 1 • at 00-12 at 125 V Rated value A 1 • at DC-12 at 220 V Rated value A 0.15 • at DC-13 at 125 V Rated value A 0.9 • at DC-13 at 120 V Rated value A 0.1 Operating current • 0.1 • at DC-13 at 600 V Rated value A 0.1 Operating current • • • at	Holding power of the magnet coil for DC	W	5.9
Number of NC contacts 1 • for auxiliary contacts 1 — instantaneous contact 1 Number of NO contacts 1 • for auxiliary contacts 1 — instantaneous contact 1 Product expansion Auxiliary switch Yes Operating current at AC-15 1 • at 230 V Rated value A 10 • at 400 V Rated value A 3 • at 690 V Rated value A 1 Operating current A 1 • at 000 V Rated value A 1 Operating current A 1 • at 000 V Rated value A 1 Operating current A 1 • at 00-12 at 125 V Rated value A 1 • at DC-12 at 220 V Rated value A 0.15 • at DC-13 at 125 V Rated value A 0.9 • at DC-13 at 120 V Rated value A 0.1 Operating current • 0.1 • at DC-13 at 600 V Rated value A 0.1 Operating current • • • at			
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	 for auxiliary contacts 		
• for auxiliary contacts1Product expansion Auxiliary switchYesOperating current at AC-151• at 230 V Rated valueA• at 230 V Rated valueA• at 690 V Rated valueA• at 00 V Rated valueA• at 00 V Rated valueA• at 00 V Rated valueA• at 00-12 at 125 V Rated valueA• at 0C-12 at 220 V Rated valueA• at 0C-12 at 220 V Rated valueA• at 0C-12 at 220 V Rated valueA• at 0C-13 at 125 V Rated valueA• at 0C-13 at 220 V Rated valueA• at 0C-12-• at 0C-13-• at 0C-12-• at 0C-12-• at 0C-13-• at 100 V Rated valueA• at 100 V Rated valueA• at 0C-13-• at 0C V Rated valueA• at 0C	·		1
	Number of NO contacts		
instantaneous contact1Product expansion Auxiliary switchYesOperating current at AC-15I• at 230 V Rated valueA10• at 400 V Rated valueA3• at 690 V Rated valueA1Operating currentA1• at DC-12 at 125 V Rated valueA2• at DC-12 at 220 V Rated valueA1• at DC-12 at 220 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 220 V Rated valueA0.1• at DC-13 at 220 V Rated valueA0.1• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1• at DC-13 at 600 V Rated valueA0.1• at DC-13• at DC-12 at 60 V Rated valueA3• at DC-13• at DC-13• at DC-13 at 110 V Rated valueA3• at DC-13 at 60 V Rated valueA10- at 60 V Rated valueA2- at 60 V Rated valueA10- at 110 V Rated valueA1- at 110 V Rated valueA1- at 110 V Rated valueA1	 for auxiliary contacts 		
Operating current at AC-15A10• at 230 V Rated valueA3• at 400 V Rated valueA3• at 690 V Rated valueA1Operating current-• at DC-12 at 125 V Rated valueA1• at DC-12 at 220 V Rated valueA1• at DC-12 at 600 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-13 at 600 V Rated valueA0.1Operating currentA0.1• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-13• at DC-14• at DC-15• at DC-12• at DC-12• at DC-13• at DC-13• at DC-13• at DC-13• at DC-13• at DC-13• at 110 V Rated valueA10• at 60 V Rated valueA2• at 60 V Rated valueA2• at 110 V Rated valueA1	-		1
at 230 V Rated valueA10at 400 V Rated valueA3• at 690 V Rated valueA1Operating current• at DC-12 at 125 V Rated valueA2• at DC-12 at 220 V Rated valueA1• at DC-12 at 220 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 220 V Rated valueA0.1Operating current• at DC-12• at DC-13• at DC-12• at DC-12• at DC-12• at DC-12• at DC-12• at DC-13• at 24 V Rated valueA10• at 60 V Rated valueA2• at 60 V Rated valueA1• at 110 V Rated valueA1 <td>Product expansion Auxiliary switch</td> <td>-</td> <td>Yes</td>	Product expansion Auxiliary switch	-	Yes
• at 400 V Rated valueA3• at 690 V Rated valueA1Operating current	Operating current at AC-15	_	
• at 690 V Rated valueA1Operating current-• at DC-12 at 125 V Rated valueA2• at DC-12 at 220 V Rated valueA1• at DC-12 at 220 V Rated valueA0.15• at DC-12 at 220 V Rated valueA0.9• at DC-13 at 125 V Rated valueA0.3• at DC-13 at 220 V Rated valueA0.1• at DC-13 at 220 V Rated valueA0.1• at DC-13 at 600 V Rated valueA0.1• at DC-12• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA10- at 60 V Rated valueA1	• at 230 V Rated value	А	10
Operating currentA2• at DC-12 at 125 V Rated valueA1• at DC-12 at 220 V Rated valueA1• at DC-12 at 220 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 220 V Rated valueA0.1• at DC-13 at 600 V Rated valueA0.1• at DC-12• at DC-12• at DC-12• at DC-13• at 00 V Rated valueA10• at 60 V Rated valueA2• at 10 V Rated valueA2• at 10 V Rated valueA1	• at 400 V Rated value	А	3
• at DC-12 at 125 V Rated valueA2• at DC-12 at 220 V Rated valueA1• at DC-12 at 600 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1• at DC-12• at DC-12• at DC-12• at DC-13• at 60 V Rated valueA1• at 60 V Rated valueA1• at 10 V Rated valueA1	• at 690 V Rated value	А	1
at DC 12 at 220 V Rated valueA1• at DC-12 at 220 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA3• at DC-13 at 60 V Rated valueA10- at 60 V Rated valueA10- at 60 V Rated valueA1	Operating current	-	
• at DC-12 at 600 V Rated valueA0.15• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA3• at DC-13 at 60 V Rated valueA10- at 60 V Rated valueA1	• at DC-12 at 125 V Rated value	А	2
• at DC-13 at 125 V Rated valueA0.9• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA3• at DC-13 at 24 V Rated valueA10- at 60 V Rated valueA2- at 110 V Rated valueA1	• at DC-12 at 220 V Rated value	А	1
• at DC-13 at 220 V Rated valueA0.3• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA3• at DC-13 at 24 V Rated valueA10- at 60 V Rated valueA2- at 110 V Rated valueA2- at 110 V Rated valueA1	• at DC-12 at 600 V Rated value	А	0.15
• at DC-13 at 600 V Rated valueA0.1Operating current• at DC-12 at 60 V Rated valueA6- at 110 V Rated valueA3• at DC-13 at 24 V Rated valueA10- at 60 V Rated valueA2- at 110 V Rated valueA1	• at DC-13 at 125 V Rated value	А	0.9
Operating currentImage: Constraint of the second secon	• at DC-13 at 220 V Rated value	А	0.3
• at DC-12 A 6 - at 60 V Rated value A 6 - at 110 V Rated value A 3 • at DC-13 - - - at 24 V Rated value A 10 - at 60 V Rated value A 2 - at 110 V Rated value A 1	• at DC-13 at 600 V Rated value	А	0.1
- at 60 V Rated value A 6 - at 110 V Rated value A 3 • at DC-13 - - - at 24 V Rated value A 10 - at 60 V Rated value A 2 - at 110 V Rated value A 1	Operating current		
 at 110 V Rated value at DC-13 at 24 V Rated value at 60 V Rated value A 10 A Carted value A A Carted value Carted	• at DC-12		
• at DC-13 - at 24 V Rated value A 10 - at 24 V Rated value A 2 - at 60 V Rated value A 1 - at 110 V Rated value A 1	— at 60 V Rated value	А	6
- at 24 V Rated value A 10 - at 60 V Rated value A 2 - at 110 V Rated value A 1	— at 110 V Rated value	А	3
at 60 V Rated valueA2 at 110 V Rated valueA1	• at DC-13		
- at 110 V Rated value A 1	— at 24 V Rated value	А	10
	— at 60 V Rated value	А	2
Contact reliability of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	— at 110 V Rated value	А	1
	Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)

UL/CSA ratings:		
yielded mechanical performance [hp]		
 for single-phase AC motor at 110/120 V Rated value 	metric hp	2
• for single-phase AC motor at 230 V Rated	metric	3
value	hp	
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
Short-circuit:		
Design of the fuse link		
 for short-circuit protection of the main circuit 		
— with type of assignment 1 required		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A
— with type of assignment 2 required		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A
 for short-circuit protection of the auxiliary switch required 		fuse gL/gG: 10 A
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
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
 Side-by-side mounting 		Yes
Height	mm	102
Width	mm	61
Depth	mm	107
Required spacing		
 with side-by-side mounting 		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
 for grounded parts 		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
 for live parts 		
— forwards	mm	0

— upwards	mm	0
— downwards	mm	0
— at the side	mm	6

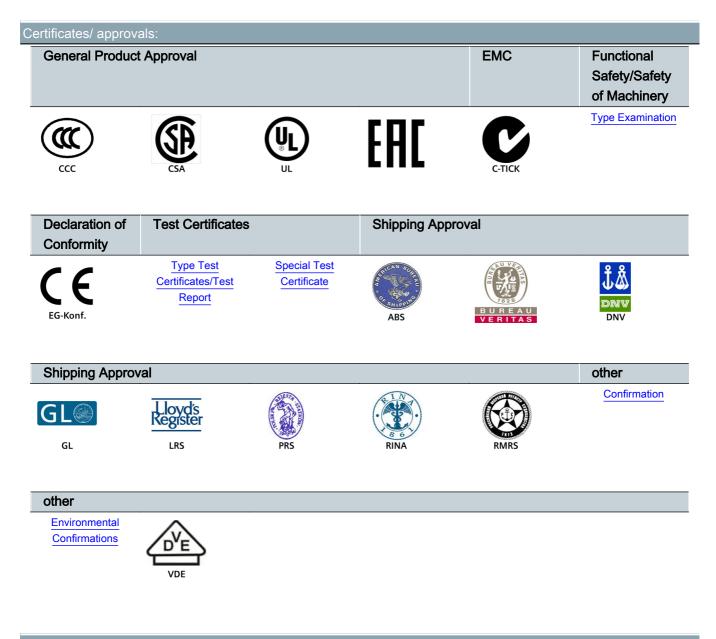
Connections/ Terminals:	
Type of electrical connection	
 for main current circuit 	spring-loaded terminals
 for auxiliary and control current circuit 	spring-loaded terminals
Type of connectable conductor cross-section	
 for main contacts 	
— solid	2x (1 10 mm²)
— single or multi-stranded	2x (1 10 mm²)
 finely stranded with core end processing 	2x (1 6 mm²)
— finely stranded without core end	2x (1 6 mm²)
processing	
 for AWG conductors for main contacts 	2x (18 8)
 for auxiliary contacts 	
— solid	2x (0.5 2.5 mm²)
— single or multi-stranded	2x (0,5 2,5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
— finely stranded without core end	2x (0.5 1.5 mm²)
processing	
 for AWG conductors for auxiliary contacts 	2x (20 14)

B10 value with high demand rate acc. to SN 31920	
Proportion of dangerous failures	
 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	FIT
21020	

 with low demand rate acc. to SN 31920 	%	40
 with high demand rate acc. to SN 31920 	%	73
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
Product function Mirror contact acc. to IEC 60947-4-1		Yes
T1 value for proof test interval or service life acc. to IEC 61508	У	20
Protection against electrical shock		finger-safe
Protection against electrical shock Mechanical data:		finger-safe
-		finger-safe S0
Mechanical data:		

1 000 000

Safety related data:



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT25262BB40

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT25262BB40/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT25262BB40&lang=en

