SIEMENS

Data sheet

3RT2526-2AF00



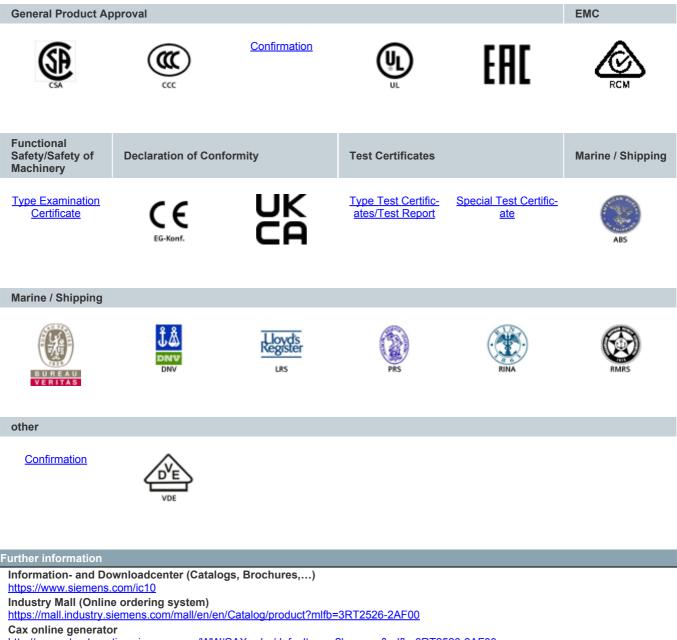
Contactor, 2NO + 2NC, AC-3, 11 kW, 110 V AC, 50 Hz, 4-pole, 2NO + 2NC, Size S0, Spring-type terminal 1 NO + 1 NC integrated

product brand name	SIRIUS
product designation	contactor
product type designation	3RT25
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
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 AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 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 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	2

operational current 40 A	number of NC contacts for main contacts	2
• at AC-1 up to 680 V 40 A - at ambient temperature 60 °C rated value 55 A • at AC-2 at AC-3 at 40 V 25 A - per NC contact rated value 25 A operational current 10 mm² • at 1 current path at DC-1 10 mm² - at 24 V rated value 35 A - at 24 V rated value 36 A - at 24 V per NC contact rated value 20 A - at 24 V per NC contact rated value 20 A - at 20 V per NC contact rated value 25 A - at 20 V per NC contact rated value 25 A - at 20 V per NC contact rated value 25 A - at 20 V per NC contact rated value 25 A - at 20 V per NC contact rated value 25 A - at 20 V per NC contact rated value	operational current	
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	• at AC-2 at AC-3 at 400 V	
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short-time withstand current in cold operating state up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value limited to 1 s switching at zero current maximumlimited to 10 s switching at zero current maximumlimited to 10 s switching at zero current maximumlimited to 30 s switching at zero current maximumlimited to 30 s switching at zero current maximumlimited to 60 s switching frequencyat ACat ACat ACbion 1/hbion 1/hcontrol circuit/ Controlto 00 1/hAC		
up to 40 °C• limited to 1 s switching at zero current maximum• limited to 5 s switching at zero current maximum• limited to 10 s switching at zero current maximum• limited to 10 s switching at zero current maximum• limited to 30 s switching at zero current maximum• limited to 60 s switching at zero current maximum• loof A• at AC• at AC• at AC-1 maximum• at AC-1 maximum		11 KVV
• limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current service • at AC • at AC • at AC-1 maximum200 A; Use minimum cross-section acc. to AC-1 rated value • 16 W • 1000 1/h • 1000 1/h • at AC-1 maximum • at AC-1 maximum 	up to 40 °C	
• limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • lo6 A; Use minimum cross-section acc. to AC-1 rated value • 100 1/h• operating frequency • at AC-1 maximum • at AC-1 maximum• 100 1/h• operating frequency • at AC-1 maximum• 1000 1/h• operating fr	-	
• limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated valuepower loss [W] at AC-3 at 400 V for rated value of the operational current per conductor1.6 Wno-load switching frequency • at AC • at DC5 000 1/hoperating frequency • at AC-1 maximum1 000 1/hoperating frequency • at AC-1 maximumACtope of voltage of the control supply voltageAC	-	
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• at DC 1 500 1/h operating frequency 1 000 1/h • at AC-1 maximum 1 000 1/h Control circuit/ Control K type of voltage of the control supply voltage AC		
operating frequency 1 000 1/h • at AC-1 maximum 1 000 1/h Control circuit/ Control AC		
• at AC-1 maximum 1 000 1/h Control circuit/ Control type of voltage of the control supply voltage AC		1 500 1/h
Control circuit/ Control type of voltage of the control supply voltage AC		
type of voltage of the control supply voltage AC	• at AC-1 maximum	1 000 1/h
	Control circuit/ Control	
control supply voltage at AC	type of voltage of the control supply voltage	AC
	control supply voltage at AC	

e at 50 Hz rated volva	110.1/
at 50 Hz rated value	110 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	77 VA
• at 50 Hz	77 VA
inductive power factor with closing power of the coil	0.82
• at 50 Hz	0.82
apparent holding power of magnet coil at AC	9.8 VA
• at 50 Hz	9.8 VA
inductive power factor with the holding power of the	0.25
coil	
• at 50 Hz	0.25
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
residual current of the electronics for control with signal <0>	
at AC at 230 V maximum permissible	0.007 A
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contact	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
 at 230 V rated value 	10 A
• at 400 V rated value	3 A
 at 500 V rated value 	2 A
• at 690 V rated value	1 A
operational 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
operational current at DC-13	
• at 24 V rated value	10 A
at 48 V rated value at 60 V rated value	2 A 2 A
• at 60 V rated value	2 A 1 A
at 110 V rated value at 125 V rated value	1 A
 at 125 V rated value at 220 V rated value 	0.9 A 0.3 A
at 220 V rated value at 600 V rated value	0.3 A 0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
yielded mechanical performance [hp]	3 hn
 for single-phase AC motor at 230 V rated value for 3-phase AC motor at 460/480 V rated value 	3 hp 15 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
design of the fuse link	
• for short-circuit protection of the main circuit	aC: 63 A (690 V 100 kA)
 for short-circuit protection of the main circuit — with type of coordination 1 required 	gG: 63 A (690 V, 100 kA)
 for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 	gG: 35 A (690 V, 50 kA)
 for short-circuit protection of the main circuit — with type of coordination 1 required 	

Installation/ mounting/ dimensions		
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted	
fastening method	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 50022	
 side-by-side mounting 	Yes	
height	102 mm	
width	61 mm	
depth	97 mm	
required spacing		
with side-by-side mounting		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— downwards	0 mm	
— at the side	0 mm	
• for grounded parts		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— at the side	6 mm	
— downwards	0 mm	
• for live parts		
— forwards	0 mm	
— backwards	0 mm	
— upwards	0 mm	
— downwards	0 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	opinig-type terminals	
for main contacts		
— solid	2x (1 10 mm²)	
— solid or stranded	2x (1 10 mm ²)	
 finely stranded with core end processing 	2x (1 6 mm ²)	
 — finely stranded with core end processing — finely stranded without core end processing 	2x (1 6 mm ²)	
at AWG cables for main contacts	2x (1 8)	
type of connectable conductor cross-sections		
for auxiliary contacts		
— solid	2x (0.5 2.5 mm²)	
— solid or stranded	2x (0.5 2.5 mm ²)	
 — finely stranded with core end processing 	2x (0.5 1.5 mm ²)	
 — finely stranded with core end processing — finely stranded without core end processing 	2x (0.5 1.5 mm ²)	
 at AWG cables for auxiliary contacts 	2x (20 14)	
AWG number as coded connectable conductor cross	18 8	
section for main contacts		
Safety related data		
product function	No.	
mirror contact according to IEC 60947-4-1	Yes	
 positively driven operation according to IEC 60947- 5-1 	No	
T1 value for proof test interval or service life according to IEC 61508	20 у	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Certificates/ approvals		



http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2526-2AF00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-2AF00

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

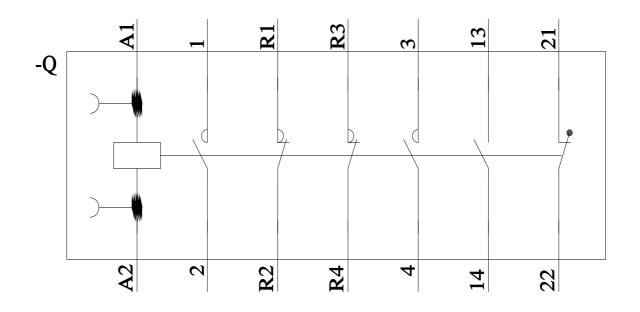
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2526-2AF00&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-2AF00/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2526-2AF00&objecttype=14&gridview=view1



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