## **SIEMENS**

Data sheet 3RT2535-1AC20



power contactor, AC-3, 40 A, 18.5 kW / 400 V, 4-pole, 24 V AC, 50/60 Hz, main contacts: 2 NO + 2 NC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2

product brand name SIRIUS product degignation contactor product type designation 3RT25  General technical data size of contactor SZ product extension • function module for communication • SZ product extension • function module for communication No • auxiliary switch Yes insulation voltage • of main circuit with degree of poliution 3 rated value 690 V • of auxiliary circuit with degree of poliution 3 rated value 690 V • of auxiliary circuit rated value 690 V  surge voltage resistance • of main circuit rated value 6 kW maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse • at AC 11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse • of or ontactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxi		OIDHIO
product type designation General technical data size of contactor product extension • function module for communication • function module for communication • function module for communication • auxiliary switch insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of main circuit rated value • of auxiliary circuit rated value • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance at rectangular impulse • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse • at AC  18.5g / 5 ms, 11.6g / 10 ms  shock resistance with sine pulse • at AC  10.00 000 • of contactor vipical • of the contactor vipical • of the contactor vipical • of the contactor vipical the added auxiliary switch block typical • of the contactor vibil added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  10 000 000  auxiliary switch block typical  10 000 000  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  10 000 000  of the contactor with added auxiliary switch block typical  of the contactor typical  10 000 000  of the contactor with added electronically optimized auxiliary switch block typical  10 000 000  of the contactor with added electronically optimized auxiliary switch	product brand name	SIRIUS
Size of contactor S2 product extension • function module for communication • auxiliary switch • auxiliary switch • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value • of main circuit rated value • of auxiliary switch size purpose of protective separation between coll and main contacts according to EN 60947-1  shock resistance at rectangular impulse • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse • at AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  of the contactor prohibitance (Date)  1000 000  7eference code according to IEC 81346-2  Q  Q  Qubstance Prohibitance (Date)  1001/2014  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during operation • during storage  755 +80 °C  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of No contacts for main contacts  Q  unwher of NC contacts for main contacts  Q  q  operational current		
size of contactor product extension • function module for communication • function module for communication • auxiliary switch  Yes  Insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value • of the contactor with sine pulse • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance at rectangular impulse • at AC  18.5g / 5 ms, 11.8g / 10 ms  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81348-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during storage  relative humidity minimum  relative humidity of NC contacts for main contacts  2  1 cumber of NC contacts for main contacts  2 cumber of NC contacts for main contacts  2 cumber of NC contacts for main contacts  2 coperational current		3RT25
product extension  • function module for communication  • auxiliary switch  • auxiliary switch  insulation voltage  • of main circuit with degree of pollution 3 rated value  • of auxiliary circuit with degree of pollution 3 rated value  • of auxiliary circuit with degree of pollution 3 rated value  • of auxiliary circuit with degree of pollution 3 rated value  • of main circuit rated value  • of main circuit rated value  • of auxiliary circuit with added auxiliary switch between coll and main contacts or with sine pulse  • at AC  11.8g / 5 ms, 7.4g / 10 ms  18.5g / 5 ms, 11.6g /		
Insulation working  Insulation voltage  In of main circuit with degree of pollution 3 rated value  In of auxiliary circuit with degree of pollution 3 rated value  In of auxiliary circuit with degree of pollution 3 rated value  In of auxiliary circuit with degree of pollution 3 rated value  In of auxiliary circuit with degree of pollution 3 rated value  In of auxiliary circuit rated value  In old over contact rate retangular impulse  In old over circuit rated value  In ol	size of contactor	S2
e auxiliary switch   Yes	product extension	
Insulation voltage  • of main circuit with degree of pollution 3 rated value  • of auxiliary circuit with degree of pollution 3 rated value  • of auxiliary circuit with degree of pollution 3 rated value  • of auxiliary circuit rated value  • of the contactor in the pulse  • of the contactor with sine pulse  • of the contactor with added electronically optimized  auxiliary switch block typical  • of the contactor with added electronically optimized  auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary	<ul> <li>function module for communication</li> </ul>	No
of main circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     of main circuit rated value     of main circuit rated value     of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     activate of auxiliary circuit rated value     maximum permissible voltage for protective separation between coll and main contacts according to EN 69947-1  shock resistance at rectangular impulse     of ALAC	auxiliary switch	Yes
of auxiliary circuit with degree of pollution 3 rated value     surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1     shock resistance at rectangular impulse     oat AC     11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse     oat AC     18.5g / 5 ms, 11.8g / 10 ms  mechanical service life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary sw	insulation voltage	
surge voltage resistance  • of main circuit rated value  • of auxiliary circuit rated value  • ot AC  shock resistance at rectangular impulse  • at AC  shock resistance with sine pulse  • at AC  shock resistance with sine pulse  • at AC  act AC  shock resistance with sine pulse  • of contactor typical  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with a	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     at AC     11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse     at AC     18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contacts of main contacts     of the contacts for main contacts     of the contactor with added auxiliary switch block typical     10.00 000     of 000000     of 0000000     of 0000000	of auxiliary circuit with degree of pollution 3 rated value	690 V
of auxiliary circuit rated value     maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     • at AC	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse	of main circuit rated value	6 kV
shock resistance at rectangular impulse  • at AC  shock resistance with sine pulse  • at AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added aux	of auxiliary circuit rated value	6 kV
at AC  shock resistance with sine pulse at AC  at AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)  of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  10/01/2014  Ambient conditions  installation altitude at height above sea level maximum ambient temperature of uring operation of uring storage -40 +70 °C -55 +80 °C  relative humidity minimum relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit number of NC contacts for main contacts 2 number of NC contacts for main contacts 2 operational current		400 V
shock resistance with sine pulse  at AC  at	shock resistance at rectangular impulse	
at AC  mechanical service life (operating cycles)  of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014  Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of uring storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit number of poles for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operational current	• at AC	11.8g / 5 ms, 7.4g / 10 ms
mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  2 operational current	shock resistance with sine pulse	
of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     reference code according to IEC 81346-2     Q Substance Prohibitance (Date)     Ambient conditions installation altitude at height above sea level maximum     ambient temperature     ouring operation     ouring operation     ouring storage     relative humidity minimum     relative humidity at 55 °C according to IEC 60068-2-30     maximum  Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts 2 operational current	• at AC	18.5g / 5 ms, 11.6g / 10 ms
of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     oduring operation     oduring storage     relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts 2 operational current	mechanical service life (operating cycles)	
auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  poperational current	of contactor typical	10 000 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  2  operational current		5 000 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts  operational current  2 000 m  2 000 m  2 000 m  4 0 +70 °C  -40 +70 °C  -55 +80 °C  7 10 %  95 %  4 10 %  4 10 %  10 %  10 %  10 %  10 %  11 %  12 %  13 %  14 %  15 %  16 %  17 %  18 %	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  2 operational current	Substance Prohibitance (Date)	10/01/2014
ambient temperature  • during operation  • during storage  • during storage  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 gps %  maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  2  operational current	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>the during storage</li></ul>	installation altitude at height above sea level maximum	2 000 m
during storage	ambient temperature	
relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts number of NC contacts for main contacts  operational current	<ul> <li>during operation</li> </ul>	-40 +70 °C
relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts number of NC contacts for main contacts 2 operational current	during storage	-55 +80 °C
maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current  2	relative humidity minimum	10 %
number of poles for main current circuit 4 number of NO contacts for main contacts 2 number of NC contacts for main contacts 2 operational current		95 %
number of NO contacts for main contacts  number of NC contacts for main contacts  operational current	Main circuit	
number of NC contacts for main contacts 2 operational current	number of poles for main current circuit	4
operational current	number of NO contacts for main contacts	2
	number of NC contacts for main contacts	2
• at AC-1 up to 690 V	operational current	
	• at AC-1 up to 690 V	

<ul> <li>— at ambient temperature 40 °C rated value</li> </ul>	60 A
<ul> <li>— at ambient temperature 60 °C rated value</li> </ul>	55 A
• at AC-2 at AC-3 at 400 V	
<ul> <li>per NO contact rated value</li> </ul>	35 A
— per NC contact rated value	35 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm²
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
<ul><li>with 2 current paths in series at DC-1</li></ul>	
— at 24 V rated value	55 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
• at 1 current path at DC-3 at DC-5	
— at 24 V per NC contact rated value	35 A
— at 24 V per NO contact rated value	35 A
— at 110 V per NC contact rated value	1.25 A
— at 110 V per NO contact rated value	2.5 A
— at 220 V per NC contact rated value	0.5 A
<ul> <li>at 220 V per NO contact rated value</li> </ul>	1 A
— at 440 V per NC contact rated value	0.045 A
— at 440 V per NO contact rated value	0.1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V per NC contact rated value	55 A
— at 24 V per NO contact rated value	55 A
<ul> <li>— at 110 V per NC contact rated value</li> </ul>	12.5 A
<ul> <li>at 110 V per NO contact rated value</li> </ul>	25 A
<ul> <li>at 220 V per NC contact rated value</li> </ul>	2.5 A
<ul> <li>at 220 V per NO contact rated value</li> </ul>	5 A
— at 440 V per NC contact rated value	0.135 A
— at 440 V per NO contact rated value	0.27 A
operating power at AC-2 at AC-3	
at 230 V per NC contact rated value	11 kW
at 230 V per NO contact rated value	11 kW
at 400 V per NC contact rated value	18.5 kW
at 400 V per NO contact rated value	18.5 kW
short-time withstand current in cold operating state up to	
40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	546 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	443 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	334 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	241 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	196 A; Use minimum cross-section acc. to AC-1 rated value
power loss [W] at AC-3 at 400 V for rated value of the	4 W
operational current per conductor	
no-load switching frequency	- 000 4#
• at AC	5 000 1/h
operating frequency	4.000.4#
at AC-1 maximum	1 200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
operating range factor control supply voltage rated value of magnet coil at AC	
	0.8 1.1
at 50 Hz	

● at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	190 VA
● at 50 Hz	210 VA
● at 60 Hz	188 VA
inductive power factor with closing power of the coil	0.72
• at 50 Hz	0.69
● at 60 Hz	0.65
apparent holding power of magnet coil at AC	17.2 VA
• at 50 Hz	17.2 VA
● at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	0.36
• at 50 Hz	0.36
● at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	AC
Auxiliary circuit	
	1
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous	1
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
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	2 A
at 40 V rated value      at 60 V rated value	2 A
at 110 V rated value      at 110 V rated value	1A
at 175 V rated value     at 125 V rated value	0.9 A
at 220 V rated value     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	
yielded mechanical performance [hp]	20 ha
• for 3-phase AC motor at 460/480 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 125 A (690 V, 100 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 63A (690V, 100kA)
for short-circuit protection of the auxiliary switch required	fuse 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
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022

side-by-side mounting	Yes
height	114 mm
width	75 mm
depth	130 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	50 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	10 mm
onnections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
• solid	2x (1 35 mm²), 1x (1 50 mm²)
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section for	18 1
main contacts	
afety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
protection class IP on the front according to IEC 60529	IP20
·	finger-safe, for vertical contact from the front
touch protection on the front according to IEC 60529	iniger-sale, for vertical contact from the from





Confirmation



<u>KC</u>



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





Type Test Certificates/Test Report

Special Test Certificate

## Marine / Shipping













Marine / Shipping

othor

Railway

**Dangerous Good** 



Confirmation

Vibration and Shock

**Transport Information** 

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT2535-1AC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2535-1AC20

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1AC20

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

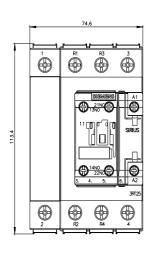
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2535-1AC20&lang=en

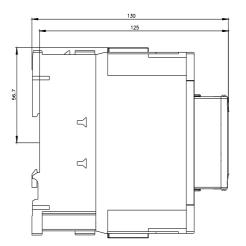
Characteristic: Tripping characteristics, I2t, Let-through current

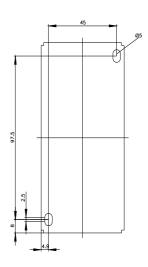
https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1AC20/char

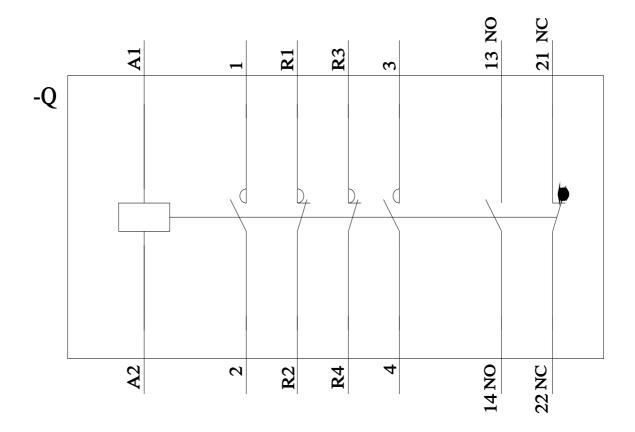
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2535-1AC20&objecttype=14&gridview=view1









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