## **SIEMENS**

Data sheet 3RT2516-1AF00



Contactor, 2 NO + 2 NC, AC-3, 4 kW 110 V AC, 50/60 Hz, 4-pole, 2 NO+ 2 NC, Size S00, screw terminal

product designation product type designation 3RT25    Social Contactor   Social Contactor	product brand name	SIRIUS
Size of contactor product extension  • function module for communication • 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 auxiliary circuit rated value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of waxiliary circuit with degree of pollution 3 rated value • of waxiliary circuit with degree of pollution 3 rated value • of waxiliary circuit rated value • of waxiliary circuit rated value • of waxiliary circuit with degree of pollution 3 rated value • of waxiliary circuit rated value • of waxiliary circuit valve • of waxiliary circuit value • of waxil	product designation	contactor
size of contactor product extension • function module for communication • 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 main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of was main circuit rated value • of was main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of was main circuit value • of was main circuit value • of was main circuit value • of auxiliary circuit rated value • of auxiliary circuit rated value • of was main circuit value • of auxiliary circuit rated value • of auxiliary circuit rated value • of was main circuit value • 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  reference code according to IEC 81346-2  Qubstance Prohibitance (Date)  Ambient conditions 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  mumber of poles for main current circuit  4	product type designation	3RT25
product extension • function module for communication • 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  surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse • at AC  shock resistance with sine pulse • at AC  shock resistance with sine pulse • at AC  mechanical service life (switching 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 bypical  reference code according to IEC 81346-2  Qu Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during operation • during operation • during storage  relative humidity minimum  10 %  relative humidity minimum  10 %  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30  maximum  mumber of poles for main current circuit  4	General technical data	
Insulation woltage  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 auxiliary circuit rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of williary circuit rated value of auxiliary circuit rated value of kV maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of AC of cresistance with sine pulse of the contactor 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 reference code according to IEC 81346-2 Question auxiliary contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question altitude at height above sea level maximum ambient temperature of during operation of during operation of during storage relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  4  No  No  V  690 V  68V  68V  68V  68V  68V  68V  68V  6	size of contactor	S00
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  surge voltage resistance of main circuit rated value of auxiliary circuit rated value of kV  maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of a,7g / 5 ms, 4,2g / 10 ms  shock resistance 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 of the conta	<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  surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value     maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot AC     shock resistance with sine pulse     of contactor typical     of the contactor typical     of the contactor with added electronically optimized 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     of during storage     relative humidity at 55 °C according to IEC 60068-2-30     maximum  Main circuit number of poles for main current circuit      of maximum      of poles for main current circuit      of maximum      of poles for main current circuit      of pollution 3 rated wides     of kW      of kW      of avxiliary circuit rated value     of kV	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 safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     of the cesistance with sine pulse     of the Contactor with sine pulse     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with add	insulation voltage	
value  surge voltage resistance  of main circuit rated value of auxiliary circuit rated value for auxiliary switch sice according to EN 60947-1  shock resistance at rectangular impulse for at AC for auxiliary switch life (switching cycles) for at AC for 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     amximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     at AC     shock resistance with sine pulse     at AC     shock resistance with sine pulse     at AC     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     of the contactor with added auxiliary switch block typical     reference code according to IEC 81346-2  Substance Prohibitance (Date)     10/01/2009  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     oduring operation     during operation     during storage     relative humidity minimum     relative humidity minimum     relative humidity minimum     relative humidity minimum     relative humidity at 55 °C according to IEC 60068-2-30     maximum  Main circuit  number of poles for main current circuit  400 V  400		690 V
of auxiliary circuit rated value     maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot AC     shock resistance with sine pulse     ot AC     interpretation of the contactor typical     of the contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     o	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  • at AC  shock resistance with sine pulse  • at AC  shock resistance with sine pulse  • at AC  shock resistance with sine pulse  • at AC  mechanical service life (switching 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 electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • 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 electronically optimized auxiliary switch block typical  • 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 electronically optimized auxiliary switch block typical  • 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 electronically optimized auxiliary switch block typical  • of the contactor with added electronically optimized au	<ul> <li>of main circuit rated value</li> </ul>	6 kV
shock resistance at rectangular impulse  • at AC  shock resistance with sine pulse  • at AC  mechanical service life (switching 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  Question of the conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  relative humidity minimum  maximum  Main circuit  number of poles for main current circuit  4	of auxiliary circuit rated value	6 kV
at AC  shock resistance with sine pulse at AC  at AC  mechanical service life (switching 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 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of 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  4	,	400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
at AC     mechanical service life (switching 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 81346-2     Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum     ambient temperature     oduring operation     oduring 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  4	• at AC	6,7g / 5 ms, 4,2g / 10 ms
mechanical service life (switching 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 81346-2  Quad 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  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of poles for main current circuit  4	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      reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     o during operation     oduring 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  4	• at AC	10,5g / 5 ms, 6,6g / 10 ms
of the contactor with added electronically optimized 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  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  5 000 000  10 000 000  10 000 000  10 000 00	mechanical service life (switching 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 of 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  10 000 000  10 000 000  10 000 000  10 000 00	<ul> <li>of contactor typical</li> </ul>	30 000 000
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		5 000 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • 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  10/01/2009  2 000 m  9 5 °C  -25 +60 °C  -55 +80 °C  95 %  4	· · · · · · · · · · · · · · · · · · ·	10 000 000
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • 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  2 000 m  -25 +60 °C  -55 +80 °C  95 %  95 %	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  -25 +60 °C  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  4	Substance Prohibitance (Date)	10/01/2009
ambient temperature	Ambient conditions	
● during operation  • during storage  • 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  -25 +60 °C  -55 +80 °C  95 %  95 %	installation altitude at height above sea level maximum	2 000 m
● 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  -55 +80 °C  95 %  95 %	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  10 %  95 %  4	<ul><li>during operation</li></ul>	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum  Main circuit  number of poles for main current circuit 4	during storage	-55 +80 °C
maximum  Main circuit number of poles for main current circuit  4	<u> </u>	10 %
number of poles for main current circuit 4		95 %
·	Main circuit	
number of NO contacts for main contacts 2	number of poles for main current circuit	4
	number of NO contacts for main contacts	2

number of NC contacts for main contacts	2
	2
operational current	
• at AC-1 up to 690 V	40.4
— at ambient temperature 40 °C rated value	18 A
— at ambient temperature 60 °C rated value	16 A
• at AC-2 at AC-3 at 400 V	0.4
— per NO contact rated value	9 A
— per NC contact rated value	9 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm <sup>2</sup>
operational current	
at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
<ul><li>with 2 current paths in series at DC-1</li></ul>	
— at 24 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
<ul><li>at 1 current path at DC-3 at DC-5</li></ul>	
<ul> <li>— at 24 V per NC contact rated value</li> </ul>	16 A
<ul> <li>— at 24 V per NO contact rated value</li> </ul>	16 A
<ul> <li>— at 110 V per NC contact rated value</li> </ul>	0.075 A
<ul> <li>— at 110 V per NO contact rated value</li> </ul>	0.15 A
<ul> <li>— at 220 V per NC contact rated value</li> </ul>	0.375 A
<ul> <li>at 220 V per NO contact rated value</li> </ul>	0.75 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
<ul> <li>at 24 V per NC contact rated value</li> </ul>	16 A
<ul> <li>— at 24 V per NO contact rated value</li> </ul>	16 A
<ul> <li>at 110 V per NC contact rated value</li> </ul>	0.175 A
— at 110 V per NO contact rated value	0.35 A
operating power at AC-2 at AC-3	
<ul> <li>at 230 V per NC contact rated value</li> </ul>	2.2 kW
<ul> <li>at 230 V per NO contact rated value</li> </ul>	2.2 kW
<ul> <li>at 400 V per NC contact rated value</li> </ul>	4 kW
at 400 V per NO contact rated value	4 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>	110 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	110 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	66 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	54 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	0.7 W
operational current per conductor	
no-load switching frequency	10 000 1/b
• at AC	10 000 1/h
• at DC	10 000 1/h
operating frequency	1 000 1/b
at AC-1 maximum  Control simplify Control	1 000 1/h
Control circuit/ Control	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	440.1/
at 50 Hz rated value	110 V
at 60 Hz rated value     operating range factor control supply voltage rated	110 V
value of magnet coil at AC	0.8 1.1
	0.8 1.1 0.85 1.1

apparent pick-up power of magnet coil at AC	27 VA
● at 50 Hz	27 VA
● at 60 Hz	24.3 VA
inductive power factor with closing power of the coil	0.8
• at 50 Hz	0.8
● at 60 Hz	0.75
apparent holding power of magnet coil at AC	4.2 VA
● at 50 Hz	4.2 VA
● at 60 Hz	3.3 VA
inductive power factor with the holding power of the coil	0.25
• at 50 Hz	0.25
• at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	7 13 ms
arcing time	10 15 ms
residual current of the electronics for control with signal <0>	
<ul> <li>at AC at 230 V maximum permissible</li> </ul>	0.003 A
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	0
number of NO contacts for auxiliary contacts instantaneous contact	0
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
operational current at DC-12	
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 60 V rated value	2 A
at 110 V rated value	1 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
yielded mechanical performance [hp]	
• for single-phase AC motor at 230 V rated value	1 hp
• for 3-phase AC motor at 460/480 V rated value	5 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
- with type of coordination 1 required	gG: 35 A (690 V, 100 kA)
with type of coordination is required  — with type of assignment 2 required	gG: 20A (690V, 100kA)
with type of assignment 2 required     for short-circuit protection of the auxiliary switch	fuse gG: 10 A
required	1400 go. 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
sining position	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail

	according to DIN EN 50022	
<ul> <li>side-by-side mounting</li> </ul>	Yes	
height	57.5 mm	
width	45 mm	
depth	73 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	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	screw-type terminals	
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals	
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals	
of magnet coil	Screw-type terminals	
type of connectable conductor cross-sections		
for main contacts		
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	2
<ul> <li>solid or stranded</li> </ul>	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	2
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12	
type of connectable conductor cross-sections		
<ul> <li>for auxiliary contacts</li> </ul>		
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	
<ul><li>— solid or stranded</li></ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12	
AWG number as coded connectable conductor cross section for main contacts	20 12	
Safety related data		
product function		
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes; with 3RH29	
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>	No	
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	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Certificates/ approvals		
General Product Approval		EMC



## Confirmation









Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate



Type Test Certificates/Test Report

Special Test Certificate



## Marine / Shipping













other

Confirmation



## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2516-1AF00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2516-1AF00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2516-1AF00

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

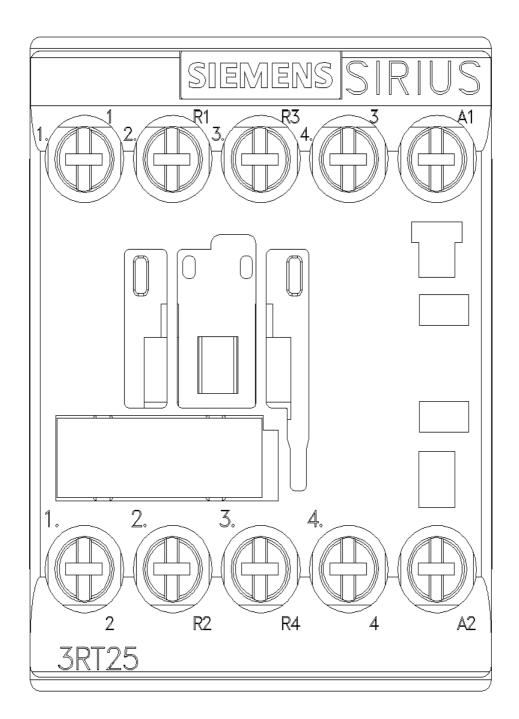
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2516-1AF00\&lang=en}}$ 

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2516-1AF00/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2516-1AF00&objecttype=14&gridview=view1



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