## **SIEMENS**

Data sheet 3RT2526-1AG20



power contactor, AC-3, 25 A, 11 kW / 400 V, 4-pole, 110 V AC, 50/60 Hz, main contacts: 2 NO + 2 NC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product type designation		OUDILLO
product type designation SIT25  Site of contactor  * function module for communication  * function module for communication  * function module for communication  * auxiliary switch  * eart AC in hot operating state per pole  * eart AC in hot operating state per pole  * or finatin circuit with degree of pollution 3 rated value  * of an air 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 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 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 switc	product brand name	SIRIUS
Size of contactor product extension • function module for communication • function module for rated value of the current • function specified for several functions and the current • function specified for several functions and functions are typical • function of power loss depending on pole • function of power loss depending on pole • of main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of duxiliary circuit rated value • of duxiliary circuit rated value • of auxiliary circuit rated value • of orditaclor with sine pulse • of at AC • at		
size of contactor  product extension  • function module for communication • function module for communication • function module for communication • auxiliary switch  power loss [W] for rated value of the curent • at AC in hot operating state per pole • without load current share typical • without load current share typical  type of calculation of power loss depending on pole • 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 auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of ond contacts according to EN 60947-1  shock resistance at rectangular impulse • at AC • at AC  shock resistance with sine pulse • at AC • at 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 •		3RT25
product extension  • function module for communication • auxiliary switch  power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical • without load current share typical • 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 outsiliary circuit with degree of pollution 3 rated value • of outsiliary circuit with degree of pollution 3 rated value • of outsiliary circuit value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with degree of pollution 3 rated value • of with accounting to Em 60947-1 • of with accounting to Em 60947-1 • of with contactor with sine pulse • of at AC • of the contactor with added electronically optimized • of the contactor with added electronically optimized • 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	General technical data	
• function module for communication • auxiliary switch  • auxiliary switch  • al AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • 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 with degree of pollution 3 rated value • of auxiliary circuit rated value • at AC • at	size of contactor	S0
• auxiliary switch  • auxiliary switch  • at AC in hot operating state per pole • without load current share typical  • you of calculation of power loss depending on pole • or main circuit with degree of pollution 3 rated value • of main circuit sted value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit 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 auxiliary circuit rated value  • at AC  • of 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 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 electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronic	product extension	
power loss [W] for rated value of the current  • at AC in hot operating state per pole • without load current share typical  • without load current share typical  • of main circuit with degree of pollution 3 rated value • 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 added electronically optimized • of the contactor with added electronically optimized • 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 typica	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state per pole • without load current share typical  type of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxillary circuit with degree of pollution 3 rated value • of auxillary circuit with degree of pollution 3 rated value • of anin circuit rated value • of auxillary sinch sine pulse • of at AC • 13,5g / 5 ms, 8,3g / 10 ms  mechanical service life (operating cycles) • of ocntactor typical • of the contactor with added electronically optimized auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the co	auxiliary switch	Yes
type of calculation of power loss depending on pole 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 main circuit rated value of auxiliary circuit rated value of at AC shock resistance at rectangular impulse of at AC 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 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	power loss [W] for rated value of the current	
type of calculation of power loss depending on pole 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 rated value of at AC say 5 ms, 5,3g / 10 ms  shock resistance at rectangular impulse 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 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 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 electr	<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
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 main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of voluments of a voluments of a volument of	<ul> <li>without load current share typical</li> </ul>	2.7 W
of main 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 auxiliary circuit rated value     of kV      maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1      shock resistance at rectangular impulse     ot AC     ot AC     shock resistance with sine pulse     ot AC     in 13,5g / 5 ms, 8,3g / 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 auxiliar	type of calculation of power loss depending on pole	quadratic
• of auxiliary circuit with degree of pollution 3 rated value  • of main circuit rated value • of auxiliary circuit rated value • of value • of auxiliary circuit rated value • of oxiliary circuit rated value • o	insulation voltage	
surge voltage resistance  of main circuit rated value of auxiliary circuit rated value of a kV  ### 400 V  ### 400 V  ### 400 V  ### 500 V  ###	<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     adward maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1    Shock resistance at rectangular impulse	• 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  shock resistance with sine pulse • at AC  shock resistance 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  velept  velept	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	of auxiliary circuit rated value	6 kV
* at AC     **shock resistance with sine pulse     **at AC     **shock resistance with sine pulse     **at AC     **shock resistance with sine pulse     **at AC     **shock resistance with sine pulse     **shock resistance resistance resistance prohibit added electronically optimized auxiliary switch block typical     **shock resistance prohibit added auxiliary switch block typical     **shock resistance prohibit auxiliary switch block ty		400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
e 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 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 of the contactor with added auxiliary switch block typical of the contactor with added electronically of the contactor with added auxiliary switch block typical  10 000 000  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date)  10 000 000  verference code according to IEC 81346-2 Q  Substance Prohibitance (Date)  10 000 000  verference code according to IEC 81346-2 Q  Substance Prohibitance (Date typical auxiliary switch block typical of 10 000 000  verference code according to 10 000 000  verference code accor	• at AC	8,3g / 5 ms, 5,3g / 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  10 000 000  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  10/01/2009  Weight  0.47 kg  mbient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  -25 +60 °C  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum	shock resistance with sine pulse	
<ul> <li>of contactor typical</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>freference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Weight</li> <li>0.47 kg</li> <li>mbient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>-25 +60 °C</li> <li>eduring storage</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> </ul>	• at AC	13,5g / 5 ms, 8,3g / 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     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  Weight O.47 kg  Ambient conditions installation altitude at height above sea level maximum ambient temperature     oduring operation     during storage     -25 +60 °C     oduring storage relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum      substance Prohibitance     10 000 000  Q  2 000 m  10/01/2009  10	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  Q Substance Prohibitance (Date)  Weight 0.47 kg  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  10 000 000  10 000 000  10 000 000  10 000 00	of contactor typical	10 000 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Weight  0.47 kg  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  Public 81346-2  Q  10/01/2009  0.47 kg  2 000 m  3 000 m  4 000 m  4 000 m  5 000 m  6 000 m  9 5 %  9 5 %		5 000 000
Substance Prohibitance (Date)  Weight  0.47 kg  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  10/01/2009  0.47 kg  0.47 kg  2 000 m  2 000 m  2 000 m  2 000 m  1 000 C  - 25 +60 °C  - 55 +80 °C  95 %	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Weight 0.47 kg  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 %	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  relative humidity at 55 °C according to IEC 60068-2-30 maximum  2 000 m  2 000 m  -25 +60 °C  -25 +80 °C  10 %  95 %	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  -25 +60 °C  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum	Weight	0.47 kg
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  -25 +60 °C  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>telative humidity minimum</li> <li>maximum</li> <li>25 +60 °C</li> <li>10 %</li> <li>95 %</li> </ul>	installation altitude at height above sea level maximum	2 000 m
• during storage -55 +80 °C  relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	ambient temperature	
relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  10 %  95 %	during operation	-25 +60 °C
relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	during storage	-55 +80 °C
maximum		10 %
invironmental footprint	relative humidity at 55 °C according to IEC 60068-2-30	95 %
	Environmental footprint	

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	74.2 kg
Global Warming Potential [CO2 eq] during manufacturing	1.9 kg
Global Warming Potential [CO2 eq] during operation	72.4 kg
Global Warming Potential [CO2 eq] after end of life	-0.626 kg
Main circuit	
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	
• at AC-1 up to 690 V	
<ul> <li>— at ambient temperature 40 °C rated value</li> </ul>	40 A
— at ambient temperature 60 °C rated value	35 A
• at AC-2 at AC-3 at 400 V	
— per NO contact rated value	25 A
— per NC contact rated value	25 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— 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	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 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>	20 A
— at 24 V per NO contact rated value	20 A
<ul> <li>— at 110 V per NC contact rated value</li> </ul>	1.25 A
<ul> <li>— at 110 V per NO contact rated value</li> </ul>	2.5 A
<ul> <li>— at 220 V per NC contact rated value</li> </ul>	0.5 A
<ul> <li>at 220 V per NO contact rated value</li> </ul>	1 A
<ul> <li>— at 440 V per NC contact rated value</li> </ul>	0.045 A
<ul> <li>— at 440 V per NO contact rated value</li> </ul>	0.09 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	35 A
— at 24 V per NO contact rated value	35 A
— at 110 V per NC contact rated value	7.5 A
— at 110 V per NO contact rated value	15 A
— at 220 V per NC contact rated value	1.5 A
— at 220 V per NO contact rated value	3 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	5.5 kW
<ul> <li>at 230 V per NC contact rated value</li> <li>at 230 V per NO contact rated value</li> </ul>	5.5 kW
at 400 V per NC contact rated value	11 kW
at 400 V per NO contact rated value      at 400 V per NO contact rated value	11 kW
short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	200 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
power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor	1.9 W
power loss [W] at AC-3e at 400 V for rated value of the	1.9 W

operational current per conductor	
no-load switching frequency	
• at AC	5 000 1/h
• at DC	1 500 1/h
operating frequency	1 300 1/11
• at AC-1 maximum	1 000 1/h
Control circuit/ Control	1 000 1/11
type of voltage of the control supply voltage	AC
control supply voltage at AC	AC .
at 50 Hz rated value	110 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of	110 0
magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	81 VA
● at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	0.72
• at 50 Hz	0.72
● at 60 Hz	0.74
apparent holding power of magnet coil at AC	10.5 VA
• at 50 Hz	10.5 VA
● at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	0.25
• at 50 Hz	0.25
• at 60 Hz	0.28
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>	
	0 007 A
at AC at 230 V maximum permissible	0.007 A
at AC at 230 V maximum permissible  Auxiliary circuit	
at AC at 230 V maximum permissible  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact	1
at AC at 230 V maximum permissible  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous	
at AC at 230 V maximum permissible  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous	1
at AC at 230 V maximum permissible  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact	1
at AC at 230 V maximum permissible  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
at AC at 230 V maximum permissible  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	1 1 10 A
at AC at 230 V maximum permissible  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 10 A 10 A
at AC at 230 V maximum permissible  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 10 A 10 A 3 A
at AC at 230 V maximum permissible  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 10 A 10 A 3 A 2 A
at AC at 230 V maximum permissible  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 10 A 10 A 3 A 2 A
at AC at 230 V maximum permissible  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 690 V rated value  operational current at DC-12	1 1 10 A 10 A 3 A 2 A 1 A
at AC at 230 V maximum permissible  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 10 A 10 A 3 A 2 A 1 A
at AC at 230 V maximum permissible  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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
at AC at 230 V maximum permissible  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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
at AC at 230 V maximum permissible  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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
at AC at 230 V maximum permissible  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  at 110 V rated value  at 125 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
at AC at 230 V maximum permissible  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 220 V rated value  at 600 V rated value  operational current at DC-13	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A
at AC at 230 V maximum permissible  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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
<ul> <li>at AC at 230 V maximum permissible</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> </ul>	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
at AC at 230 V maximum permissible  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 110 V rated value  at 125 V rated value  at 125 V rated value  at 220 V rated value  at 220 V rated value  at 24 V rated value  at 24 V rated value  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 48 V rated value  operational current at DC-13  at 24 V rated value  at 48 V rated value  operational current at DC-13  at 24 V rated value  or at 48 V rated value	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
<ul> <li>at AC at 230 V maximum permissible</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> <li>operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul> </li> </ul>	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
at AC at 230 V maximum permissible  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 110 V rated value  at 125 V rated value  at 125 V rated value  at 220 V rated value  at 220 V rated value  at 24 V rated value  at 24 V rated value  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 48 V rated value  operational current at DC-13  at 24 V rated value  at 48 V rated value  operational current at DC-13  at 24 V rated value  or at 48 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A  10 A 2 A 2 A 2 A 1 A 0.9 A
at AC at 230 V maximum permissible  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 110 V rated value  at 220 V rated value  at 600 V rated value  at 600 V rated value  at 48 V rated value  at 600 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 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	3 hp
• for 3-phase AC motor at 460/480 V rated value	15 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: 63 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 35 A (690 V, 50 kA)
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
height	85 mm
width	61 mm
depth	97 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 (1 2.5 mm²), 2x (2.5 10 mm²)
solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 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)
<ul> <li>finely stranded with core end processing</li> </ul>	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	16 8
main contacts	
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
• positively driven operation according to IEC 60947-5-1	No
Electrical Safety	

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

Approvals Certificates

## **General Product Approval**

Confirmation











EMV

**Functional Saftey** 

**Test Certificates** 

Marine / Shipping



Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

Railway







**Miscellaneous** 

Confirmation

Special Test Certificate

## **Environment**



Environmental Confirmations

## Further information

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=3RT2526-1AG20

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2526-1AG20}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-1AG20

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

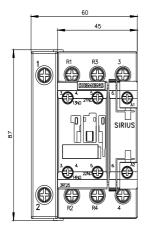
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2526-1AG20&lang=en

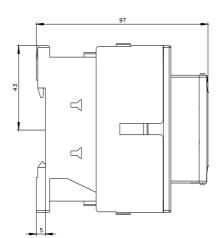
 $\label{lem:characteristic} \textbf{Characteristics}, \textbf{I}^{\textbf{2}}\textbf{t}, \textbf{Let-through current}$ 

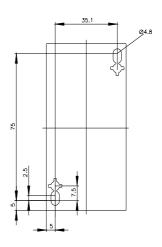
https://support.industry.siemens.com/cs/ww/en/ps/3RT2526-1AG20/char

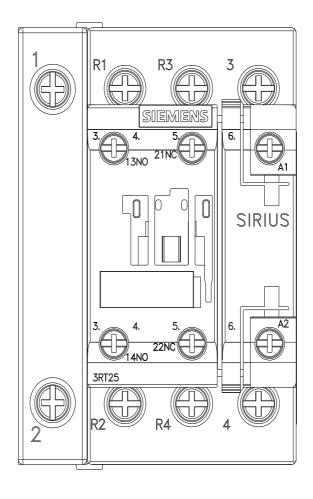
Further characteristics (e.g. electrical endurance, switching frequency)

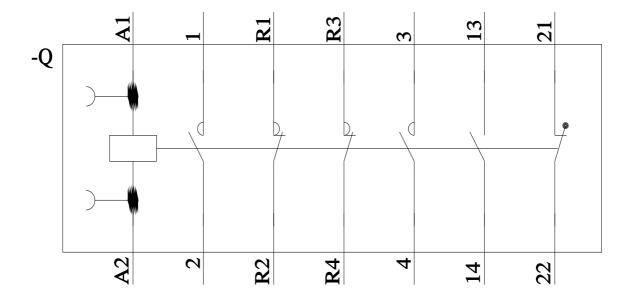
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RT2526-1AG20\&objecttype=14\&gridview=view1}$ 











last modified: 3/19/2024 🖸