SIEMENS

Data sheet 3RT2327-1AP00



Contactor, AC-1, 50 A/400 V/40 °C, S0, 4-pole, 230 V AC/50 Hz, 1 NO+1 NC, screw terminal

product type designation product type designation SRT23 Size of contactor S0 product extension • function module for communication • auxiliary switch ves • auxiliary switch val AC in hot operating state • of the auxiliary and control circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value surge vortage resistance • of main circuit rated value 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 auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Anbient conditions installation altitude at height above sea level maximum • during operation • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of Poles for main current circuit	product brand name	SIRIUS
Someral technical data	product designation	Contactor
size of contactor 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 • at AC in hot operating state per pole insulation voltage • of main circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • at AC 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 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 operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of Poles for main current circuit number of Poles for main contacts No No No No No No No No No N	product type designation	3RT23
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 insulation voltage • of main circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of main circuit rated value • of amiliary circuit rated value • of amiliary circuit rated value • of auxiliary circuit rated value • of contactor it pical • at AC shock resistance with sine pulse • at AC shock resistance with sine pulse • at AC shock resistance with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical typical contactor with added auxiliary switch block typical typical contactor	General technical data	
• function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage • of main circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of the auxiliary and control 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 • at AC * shock resistance at rectangular impulse • at AC * shock resistance with sine pulse • at AC * shock resistance with sine pulse • at AC * shock resistance with added auxiliary switch block typical • of contactor typical • of contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quustance 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 number of NO contacts for main contacts 4	size of contactor	S0
auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value auriliary circuit rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value shock resistance at rectangular impulse at AC shock resistance with sine pulse at AC shock resistance with sine pulse of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical reference code according to IEC 81346-2 Quulontactor vith added auxiliary switch block typical auxiliary auxiliary auxiliary switch block typical auxiliary au	product extension	
power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage • of main circuit with degree of pollution 3 rated value • of the auxiliary and control circuit with degree of pollution 3 rated value • of main circuit rated value surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value • 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 auxiliary switch block typical reference code according to IEC 81346-2 Quuring storage reference code according to IEC 81346-2 Quuring storage • during storage • during storage • during storage - 25+60 °C • 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 number of Poles for main current circuit 1 4 number of Poles for main current circuit 1 4 number of NO contacts for main current circuit 4	 function module for communication 	No
at AC in hot operating state at AC in hot operating state per pole insulation voltage of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value at AC shock resistance at rectangular impulse at AC shock resistance with sine pulse of the contactor typical of the contactor typical reference code according to IEC 81346-2 Quut Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of uring operation of uring 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 number of poles for main current circuit number of NO contacts for main current circuit number of NO contacts for main current circuit number of NO contacts for main contacts	auxiliary switch	Yes
insulation voltage of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value ot AC shock resistance at rectangular impulse ot AC shock resistance with sine pulse ot AC shock resistance with sine pulse of contactor typical of the contactor 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 oturing operation oturing 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 poles for main current circuit number of poles for main current circuit number of NO contacts for main contacts	power loss [W] for rated value of the current	
Insulation voltage of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value to fauxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of kV shock resistance at rectangular impulse of at AC shock resistance with sine pulse of at AC shock resistance with sine pulse of the contactor typical of the contactor with added auxiliary switch block typical of the contactor typical of the contactor with adversarial typical switch block typical of the contactor typical of the	 at AC in hot operating state 	12 W
of main circuit with degree of pollution 3 rated value of the auxiliary and control circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of avxiliary circuit rated value of tax AC shock resistance at rectangular impulse of at AC shock resistance with sine pulse of contactor typical of contactor 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 oduring operation oduring storage relative humidity minimum relative number of poles for main current circuit number of poles for main current circuit number of poles for main current circuit number of NO contacts for main contacts	at AC in hot operating state per pole	3 W
of the auxiliary and control circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of the contact at rectangular impulse other at AC shock resistance with sine pulse other at AC shock resistance with sine pulse other at AC in the contactor typical of contactor 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 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 4 number of NO contacts for main contacts 6 kV 6 kV 6 kV 8,3g / 5 ms, 8,3g / 10 ms 8,3g / 5 ms, 8,3g / 10 ms 10 000 000 10 000 000 10 000 000 10 000 00	insulation voltage	
surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • at AC shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC shock resistance with added auxiliary switch block typical • of the contactor 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 • 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	 of main circuit with degree of pollution 3 rated value 	690 V
of main circuit rated value of auxiliary circuit rated value shock resistance at rectangular impulse • at AC		690 V
of auxiliary circuit rated value shock resistance at rectangular impulse o at AC shock resistance with sine pulse o at AC shock resistance with sine pulse o at AC	surge voltage resistance	
shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC 13,5g / 5 ms, 8,3g / 10 ms mechanical service life (switching cycles) • of contactor 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 • during operation • during storage -55 +60 °C 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 number of NO contacts for main contacts 4	 of main circuit rated value 	6 kV
* at AC * shock resistance with sine pulse * at AC * 13,5g / 5 ms, 8,3g / 10 ms mechanical service life (switching cycles) * of contactor typical * of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quantification 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 POC contacts for main contacts 4	of auxiliary circuit rated value	6 kV
shock resistance with sine pulse • at AC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quabstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity minimum main circuit number of poles for main current circuit number of NO contacts for main contacts 10 000 000 10 000 000 10 000 000 10 000 00	shock resistance at rectangular impulse	
at AC mechanical service life (switching cycles) of contactor 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 10 000 000 10 000 000 10 000 000 10 000 00	• at AC	8,3g / 5 ms, 5,3g / 10 ms
mechanical service life (switching cycles) of contactor 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 10 000 000 10 000 000 10 000 000 10 000 00	shock resistance with sine pulse	
of contactor 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 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 number of NO contacts for main contacts 10 000 000 10 000 000 10 000 000 10 000 00	• at AC	13,5g / 5 ms, 8,3g / 10 ms
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 • 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 10 000 000 10 000 000 10 000 000 10 000 00	mechanical service life (switching cycles)	
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles for main current circuit 4 number of NO contacts for main contacts 4	 of contactor typical 	10 000 000
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 number of NO contacts for main contacts 10/01/2009 2 000 m 3 0°C -25 +60 °C -55 +80 °C 95 % 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 number of NO contacts for main contacts 2 000 m -25 +60 °C -25 +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 -55 +80 °C 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 4	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation • during storage • during storage -25 +80 °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 number of NO contacts for main contacts 4	Ambient conditions	
 during operation during storage telative 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 	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 number of NO contacts for main contacts -55 +80 °C 95 % 4	ambient temperature	
relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 gs % maximum Main circuit number of poles for main current circuit 4 number of NO contacts for main contacts 4	during operation	
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum Main circuit number of poles for main current circuit 4 number of NO contacts for main contacts 4	during storage	-55 +80 °C
maximum Main circuit number of poles for main current circuit 4 number of NO contacts for main contacts 4		10 %
number of poles for main current circuit 4 number of NO contacts for main contacts 4		95 %
number of NO contacts for main contacts 4	Main circuit	
	number of poles for main current circuit	4
operational current	number of NO contacts for main contacts	4
	operational current	

at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1	50 A
 at AC-1 — up to 690 V at ambient temperature 40 °C 	50 A
up to 690 V at ambient temperature 60 °C rated value	42 A
• at AC-3	
— at 400 V rated value	15.5 A
 at AC-4 at 400 V rated value 	15.5 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operating power	
 at AC-3 at 400 V rated value 	7.5 kW
at AC-4 at 400 V rated value	7.5 kW
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	F 000 4/h
• at AC	5 000 1/h
operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	10
type of voltage	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	000.17
at 50 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	77 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.82
apparent holding power of magnet coil at AC	
• at 50 Hz	9.8 VA
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.25
closing delay	0 40
• at AC	8 40 ms
opening delay	4 46 mg
• at AC	4 16 ms
arcing time	10 10 ms Standard A1 - A2
control version of the switch operating mechanism Auxiliary circuit	Standard AT - AZ
	1
number of NC contacts for auxiliary contacts • attachable	1 2
attachable instantaneous contact	1
number of NO contacts for auxiliary contacts	1
attachable	2
instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-12 maximum	1071
• at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value at 500 V rated value	2 A
at 690 V rated value at 690 V rated value	1 A
at 030 v rateu value	IA

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 110 V rated value 	1 A
• at 125 V rated value	0.9 A
 at 220 V rated value 	0.3 A
at 600 V rated value	0.1 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required	gG: 10 A (230 V, 400 A)
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
product function short circuit protection	No
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: 20 A (690 V, 100 kA)
for short-circuit protection of the auxiliary switch	gG: 10 A (690 V, 1 kA)
required	g(
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	Yes
height	85 mm
neight	85 11111
width	60 mm
width	60 mm
depth	60 mm 97 mm
depth required spacing	
depth required spacing • with side-by-side mounting	97 mm
depth required spacing • with side-by-side mounting — forwards	97 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards	97 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards	97 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	97 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	97 mm 10 mm 10 mm 10 mm 0 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	97 mm 10 mm 10 mm 10 mm 0 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • at the side • for grounded parts — forwards — at the side	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 6 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side - downwards — downwards — downwards	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — downwards • for grounded parts — forwards — upwards — at the side — downwards • for live parts	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — the side — downwards — at the side — downwards • for live parts — forwards	97 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards	97 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards • for live parts — downwards — upwards — downwards	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards at the side downwards for live parts downwards upwards at the side	97 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • of or grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • of or grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards at the side downwards for live parts forwards upwards at the side downwards for live parts forwards upwards at the side downwards at the side downwards at the side connections/ Terminals	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards upwards at the side downwards for live parts forwards upwards at the side downwards for live parts forwards upwards at the side connections/ Terminals type of electrical connection	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm

• 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
 at AWG cables for main contacts 	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
 solid or stranded 	1 10 mm²
stranded	1 10 mm²
 finely stranded with core end processing 	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 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)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
 for main contacts 	16 8
 for auxiliary contacts 	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
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
Communication/ Protocol	
product function bus communication	No
Certificates/ approvals	

General Product Approval

EMC



Confirmation









Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report



Marine / Shipping











Confirmation

other



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=3RT2327-1AP00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2327-1AP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2327-1AP00

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2327-1AP00&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2327-1AP00/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2327-1AP00&objecttype=14&gridview=view1

3/18/2022 last modified: