SIEMENS

Data sheet 3RT2517-2AP60



power contactor, AC-3, 12 A, 5.5 kW / 400 V, 4-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, main contacts: 2 NO + 2 NC, spring-loaded terminal, size: S00

product designation	product brand name	SIRIUS
Size of contactor product extension • function module for communication • auxiliary switch • auxiliary switch • at A C roll auxiliary circuit rated value • at A C shock resistance at rectangular impulse • at A C rechance at A C at A C rechance at C • at A C rechance at C • of contactor typical • of ocnator with added euxiliary switch block typical • of ocnator with added auxiliary switch block typical • of of contactor with added auxiliary switch block typical • of of condactor typical • of of condactor with added euxiliary switch block typical • of other 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	product designation	contactor
size of contactor product extension • function module for communication • function module for communication • function module for communication • auxiliary switch 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 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 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) • of 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	product type designation	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 1.7 W 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 with degree of pollution 3 rated value • of auxiliary circuit rated value • at AC 7.3g / 5 ms, 4,7g / 10 ms shock resistance at rectangular impulse • at AC 1.4g / 5 ms, 7,3g / 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 • 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 bl	General technical data	
function module for communication No Yes	size of contactor	S00
e auxiliary switch power loss [W] for rated value of the current e at AC in hot operating state per pole e without load current share typical type of calculation of power loss depending on pole insulation voltage e of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value e of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary circuit rated value e of auxiliary circuit rated value of auxiliary permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC	product extension	
e at AC in hot operating state per pole without load current share typical 1.7 W 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 with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary switch sine pulse of at AC of auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor	 function module for communication 	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 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 auxiliary sircuit rated value of at AC of auxiliary of the contactor with sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of	auxiliary switch	Yes
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 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 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 of 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 conflictons installation altitude at height above sea level maximum ambient conditions installation altitude at height above sea level maximum ambient emperature of during operation of during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint 1.7 W quadratic e00 V 690 V 690 V 680 V	power loss [W] for rated value of the current	
type of calculation of power loss depending on pole insulation voltage	 at AC in hot operating state per pole 	0.5 W
insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value 690 V surge voltage resistance • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) • of contactor tytical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical of the contactor tytic block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Amblent conditions installation altitude at height above sea level maximum 2 000 m amblent temperature • during operation • during storage relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	 without load current share typical 	1.7 W
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 protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC	type of calculation of power loss depending on pole	quadratic
of auxilliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of dawilliary circuit rated value of auxilliary circuit rated value of the contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC	insulation voltage	
surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value aximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse ot AC 11,4g / 5 ms, 7,3g / 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 of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of the contactor with added according to IEC 60068-2-30 and with temperature of uring storage relative humidity minimum relative humidity animum Environmental footprint	 of main circuit with degree of pollution 3 rated value 	690 V
of main circuit rated value of auxilliary circuit rated value of auxilliary circuit rated value aximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse o at AC	• 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	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at AC • at AC • 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 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 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the co	of main circuit rated value	6 kV
shock resistance at rectangular impulse at AC shock resistance with sine pulse at AC at A	 of auxiliary circuit rated value 	6 kV
at AC shock resistance with sine pulse at AC at AC at AC at AG at		400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
at AC mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical installation altitude to the light above sea level maximum ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	• at AC	7,3g / 5 ms, 4,7g / 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 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during storage -25 +60 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	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 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature oduring operation -25 +60 °C oduring storage relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	• at AC	11,4g / 5 ms, 7,3g / 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 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 enditor of the contactor with added electronically optimized 10 000 000 Q 2 000 m ambient conditions -25 +60 °C -55 +80 °C relative humidity minimum 10 % 95 % Environmental footprint	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) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	 of contactor typical 	30 000 000
reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint		5 000 000
Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	 of the contactor with added auxiliary switch block typical 	10 000 000
installation altitude at height above sea level maximum ambient temperature during operation during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	reference code according to IEC 81346-2	Q
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 Environmental footprint	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation • during storage • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	Ambient conditions	
 during operation during storage -55 +80 °C relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint 	installation altitude at height above sea level maximum	2 000 m
during storage	ambient temperature	
relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Environmental footprint	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum Environmental footprint	during storage	-55 +80 °C
maximum Environmental footprint	relative humidity minimum	10 %
		95 %
Environmental Product Declaration(EPD) Yes	Environmental footprint	
	Environmental Product Declaration(EPD)	Yes

Clobal Warming Potential ICCO and total	20.0 km
Global Warming Potential [CO2 eq] total	39.6 kg
Global Warming Potential [CO2 eq] during manufacturing	1.18 kg
Global Warming Potential [CO2 eq] during operation	38.5 kg
Global Warming Potential [CO2 eq] after end of life	-0.155 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	22.4
— at ambient temperature 40 °C rated value	22 A
— at ambient temperature 60 °C rated value	20 A
• at AC-2 at AC-3 at 400 V	40 A
— per NO contact rated value	12 A
— per NC contact rated value	9 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm ²
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
• with 2 current paths in series at DC-1	
— 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
• at 1 current path at DC-3 at DC-5	
 at 24 V per NC contact rated value 	20 A
— at 24 V per NO contact rated value	20 A
— at 110 V per NC contact rated value	0.075 A
— at 110 V per NO contact rated value	0.15 A
— at 220 V per NC contact rated value	0.375 A
— at 220 V per NO contact rated value	0.75 A
 with 2 current paths in series at DC-3 at DC-5 	
 at 24 V per NC contact rated value 	20 A
 — at 24 V per NO contact rated value 	20 A
 — at 110 V per NC contact rated value 	0.175 A
— at 110 V per NO contact rated value	0.35 A
operating power at AC-2 at AC-3	
 at 230 V per NC contact rated value 	2.2 kW
• at 230 V per NO contact rated value	3 kW
 at 400 V per NC contact rated value 	4 kW
at 400 V per NO contact rated value	5.5 kW
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	125 A; Use minimum cross-section acc. to AC-1 rated value
limited to 1's switching at zero current maximum limited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 s switching at zero current maximum limited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	61 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	0.5 W
operational current per conductor	
power loss [W] at AC-3e at 400 V for rated value of the operational current per conductor	0.5 W
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
Control circuit/ Control	

time of college of the state of	A O
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	220 V
at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	43 VA
● at 50 Hz	43 VA
at 60 Hz	43 VA
inductive power factor with closing power of the coil	0.8
at 50 Hz	0.77
• at 60 Hz	0.77
apparent holding power of magnet coil at AC	6.5 VA
● at 50 Hz	6.5 VA
• at 60 Hz	6.5 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	0.05
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
residual current of the electronics for control with signal <0>	
at AC at 230 V maximum permissible	0.004 A
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	0
contact number of NO contacts for auxiliary contacts instantaneous	0
contact operational current at AC-12 maximum	10 A
operational current at AC-12 maximum	
• at 230 V rated value	10 A
at 400 V rated value	3 A
operational current at DC-12	
operational current at DC-12 ● at 48 V rated value	6 A
•	6 A 6 A
• at 48 V rated value	
at 48 V rated valueat 60 V rated value	6 A
 at 48 V rated value at 60 V rated value at 110 V rated value 	6 A 3 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value 	6 A 3 A 2 A
 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 	6 A 3 A 2 A 1 A
 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 600 V rated value 	6 A 3 A 2 A 1 A
 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 600 V rated value operational current at DC-13	6 A 3 A 2 A 1 A 0.15 A
 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 600 V rated value operational current at DC-13 at 24 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value 	6 A 3 A 2 A 1 A 0.15 A
 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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value 	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A
 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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 20 V rated value at 110 V rated value at 220 V rated value 	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A
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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 600 V rated value	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A
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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 600 V rated value	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A
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 600 V rated value operational current at DC-13 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 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A
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 600 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts JL/CSA ratings yielded mechanical performance [hp]	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
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 600 V rated value at 600 V rated value operational current at DC-13 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 220 V rated value at 600 V rated value for single-phase AC motor at 230 V rated value for single-phase AC motor at 230 V rated value	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
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 600 V rated value at 600 V rated value operational current at DC-13 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 220 V rated value at 600 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 460/480 V rated value contact rating of auxiliary contacts according to UL	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
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 600 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 600 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 460/480 V rated value contact rating of auxiliary contacts according to UL	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
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 600 V rated value at 600 V rated value operational current at DC-13 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 220 V rated value at 600 V rated value rontact reliability of auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] af or single-phase AC motor at 230 V rated value for 3-phase AC motor at 460/480 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link at 600 V rated value ontact rating of auxiliary contacts according to UL	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
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 600 V rated value at 600 V rated value operational current at DC-13 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 220 V rated value at 600 V rated value ordinate of auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] af or single-phase AC motor at 230 V rated value of or 3-phase AC motor at 460/480 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)

stallation/ 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	70 mm
width	45 mm
depth	73 mm
required spacing	
 with side-by-side mounting 	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm
onnections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections for main contacts	
• solid	2x (0.5 4 mm²)
solid or stranded	2x (0,5 4 mm²)
finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 4 mm²)
— solid or stranded	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
— finely stranded without core end processing	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts	2x (20 12) 20 12
afety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RH29
• positively driven operation according to IEC 60947-5-1	No
IEC 61508	
T1 value	
• for proof test interval or service life according to IEC 61508	20 a
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
pprovals Certificates	













General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping







_







other

Railway

Environment

Miscellaneous

Confirmation

Special Test Certificate



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=3RT2517-2AP60

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2517-2AP60}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-2AP60

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

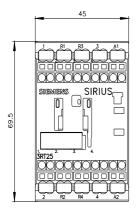
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2517-2AP60&lang=en

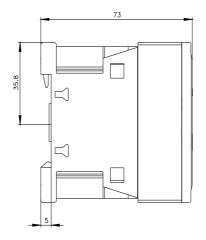
Characteristic: Tripping characteristics, I²t, Let-through current

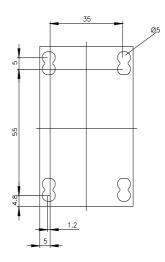
https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-2AP60/char

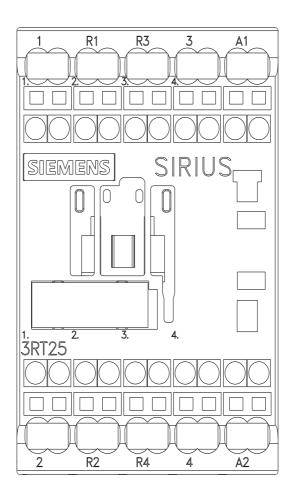
Further characteristics (e.g. electrical endurance, switching frequency)

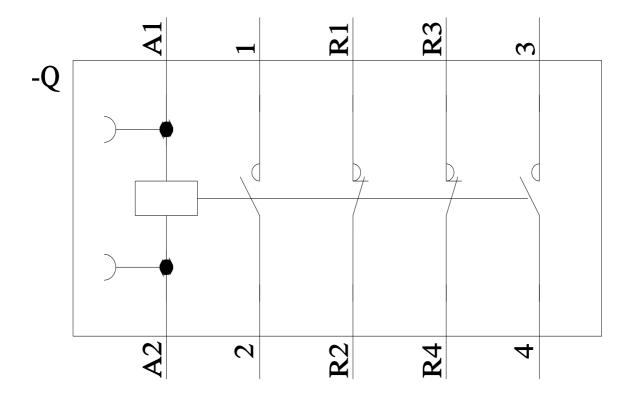
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2517-2AP60&objecttype=14&gridview=view1











last modified: 3/19/2024 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT25172AP60