

CONTACTOR, AC-3, 7.5KW/400V, 2NO+2NC, DC 24V, 3-POLE, SZ
S0 SCREW TERMINAL REMOVABLE AUX. SWITCH



Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT2

General technical data	
Size of contactor	S0
Product extension	
<ul style="list-style-type: none"> function module for communication 	No
<ul style="list-style-type: none"> Auxiliary switch 	No
Insulation voltage	
<ul style="list-style-type: none"> rated value 	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul style="list-style-type: none"> between coil and main contacts acc. to EN 60947-1 	400 V
Protection class IP	
<ul style="list-style-type: none"> on the front 	IP20
<ul style="list-style-type: none"> of the terminal 	IP20
Shock resistance at rectangular impulse	
<ul style="list-style-type: none"> at DC 	10g / 5 ms, 7,5g / 10 ms

Shock resistance with sine pulse	
<ul style="list-style-type: none"> • at DC 	15g / 5 ms, 10g / 10 ms
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • of contactor typical 	10 000 000
<ul style="list-style-type: none"> • of the contactor with added electronics-compatible auxiliary switch block typical 	5 000 000
<ul style="list-style-type: none"> • of the contactor with added auxiliary switch block typical 	10 000 000
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	K
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q

Ambient conditions

Installation altitude at height above sea level	
<ul style="list-style-type: none"> • maximum 	2 000 m
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-55 ... +80 °C

Main circuit

Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Operating voltage	
<ul style="list-style-type: none"> • at AC-3 rated value maximum 	690 V
Operating current	
<ul style="list-style-type: none"> • at AC-1 at 400 V <ul style="list-style-type: none"> — at ambient temperature 40 °C rated value 	40 A
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> — up to 690 V at ambient temperature 40 °C rated value 	40 A
<ul style="list-style-type: none"> — up to 690 V at ambient temperature 60 °C rated value 	35 A
<ul style="list-style-type: none"> • at AC-2 at 400 V rated value 	17 A
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	17 A
<ul style="list-style-type: none"> — at 500 V rated value 	17 A
<ul style="list-style-type: none"> — at 690 V rated value 	13 A
Connectable conductor cross-section in main circuit at AC-1	
<ul style="list-style-type: none"> • at 60 °C minimum permissible 	10 mm ²
<ul style="list-style-type: none"> • at 40 °C minimum permissible 	10 mm ²
Operating current for approx. 200000 operating cycles at AC-4	