



4NO CONTACTOR,
AC1: 18A AC 110V 50/60HZ 4-POLE, 4NO,
SZ: S00, SCREW TERMINAL

General technical data:

product brand name		SIRIUS
Size of contactor		S00
Product expansion		
• Auxiliary switch		Yes
• function module for communication		No
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Degree of pollution		3
Installation altitude / at height above sea level / maximum	m	2,000
Ambient temperature		
• during storage	°C	-55 ... +80
• during operation	°C	-25 ... +60
Shock resistance		
• at rectangular impulse		
• with AC		6,7g / 5 ms, 4,2g / 10 ms
• with sine pulse		
• with AC		10,5g / 5 ms, 6,6g / 10 ms
Surge voltage resistance / Rated value	kV	6
Insulation voltage / Rated value	V	690

maximum permissible voltage for safe isolation / between coil and main contacts / acc. to EN 60947-1	V	400
Mechanical service life (switching cycles)		
• of the contactor / typical		30,000,000
• of the contactor with added auxiliary switch block / typical		10,000,000
• of the contactor with added electronics-compatible auxiliary switch block / typical		5,000,000
Main circuit:		
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		4
Connectable conductor cross-section / in main circuit		
• at AC-1		
• at 40 °C / minimum permissible	mm ²	2.5
• at 60 °C / minimum permissible	mm ²	2.5
Operating current		
• at AC-1 / up to 690 V		
• at ambient temperature 40 °C / Rated value	A	18
• at ambient temperature 60 °C / Rated value	A	16
• at AC-2 / at 400 V / Rated value	A	9
• at AC-3		
• at 400 V / Rated value	A	9
• at AC-4 / at 400 V / Rated value	A	8.5
Operating current		
• with 1 current path / at DC-1		
• at 24 V / Rated value	A	20
• at 110 V / Rated value	A	2.1
• at 220 V / Rated value	A	0.8
• at 440 V / Rated value	A	0.6
• with 2 current paths in series / at DC-1		
• at 24 V / Rated value	A	20
• at 110 V / Rated value	A	12
• at 220 V / Rated value	A	1.6
• at 440 V / Rated value	A	0.8
• with 3 current paths in series / at DC-1		
• at 24 V / Rated value	A	20
• at 110 V / Rated value	A	20
• at 220 V / Rated value	A	16
• at 440 V / Rated value	A	1.3
Operating current		
• with 1 current path / at DC-3 / at DC-5		