



CONTACTOR,AC-3 18.5 KW,400V, AC 24 V, 50 HZ 4-POLE, 2 NO + 2 NC, SIZE S2, SCREW CONNECTION

Figure similar

product brand name	SIRIUS
Product designation	power contactor

General technical data:

Size of contactor	S2
Insulation voltage	
• Rated value	690 V
Degree of pollution	3
Mechanical service life (switching cycles)	
• of the contactor typical	10 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
Protection class IP	
• on the front	IP00
Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

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

Main circuit:

Number of poles for main current circuit	4
Number of NC contacts for main contacts	2
Number of NO contacts for main contacts	2
Connectable conductor cross-section in main circuit at AC-1	
<ul style="list-style-type: none"> • at 60 °C minimum permissible 16 mm² • at 40 °C minimum permissible 16 mm² 	
Operating current	
<ul style="list-style-type: none"> • at AC-1 up to 690 V <ul style="list-style-type: none"> — at ambient temperature 40 °C Rated value 60 A — at ambient temperature 60 °C Rated value 55 A • at AC-2 at AC-3 at 400 V <ul style="list-style-type: none"> — per NO contact Rated value 40 A — per NC contact Rated value 40 A 	
Operating current	
<ul style="list-style-type: none"> • with 1 current path at DC-1 <ul style="list-style-type: none"> — at 24 V Rated value 50 A — at 110 V Rated value 4.5 A — at 220 V Rated value 1 A — at 440 V Rated value 0.4 A • with 2 current paths in series at DC-1 <ul style="list-style-type: none"> — at 24 V Rated value 50 A — at 110 V Rated value 45 A — at 220 V Rated value 5 A — at 440 V Rated value 1 A 	
Operating current	
<ul style="list-style-type: none"> • with 1 current path at DC-3 at DC-5 <ul style="list-style-type: none"> — 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 1.25 A — at 110 V per NO contact Rated value 2.5 A — at 220 V per NC contact Rated value 0.5 A — at 220 V per NO contact Rated value 1 A — at 440 V per NC contact Rated value 0.05 A — at 440 V per NO contact Rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 <ul style="list-style-type: none"> — at 110 V per NC contact Rated value 12.5 A — at 110 V per NO contact Rated value 25 A — at 220 V per NC contact Rated value 2.5 A — at 220 V per NO contact Rated value 5 A — at 24 V per NC contact Rated value 50 A 	