



CONTACTOR, AC-3 18.5 KW,400V, DC 220 V, 4-POLE, 2 NO + 2 NC, SIZE S2, SCREW CONNECTION AVAILABLE MARCH '98

Figure similar

<b>product brand name</b>	SIRIUS
<b>Product designation</b>	power contactor
<b>General technical data:</b>	
<b>Size of contactor</b>	S2
<b>Insulation voltage</b>	
• Rated value	690 V
<b>Degree of pollution</b>	3
<b>Mechanical service life (switching cycles)</b>	
• 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
<b>Protection class IP</b>	
• on the front	IP00
<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q
<b>Ambient conditions:</b>	
<b>Installation altitude at height above sea level maximum</b>	2 000 m
<b>Ambient temperature</b>	
• 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"> <li>• at 60 °C minimum permissible 16 mm<sup>2</sup></li> <li>• at 40 °C minimum permissible 16 mm<sup>2</sup></li> </ul>	
Operating current	
<ul style="list-style-type: none"> <li>• at AC-1 up to 690 V <ul style="list-style-type: none"> <li>— at ambient temperature 40 °C Rated value 60 A</li> <li>— at ambient temperature 60 °C Rated value 55 A</li> </ul> </li> <li>• at AC-2 at AC-3 at 400 V <ul style="list-style-type: none"> <li>— per NO contact Rated value 40 A</li> <li>— per NC contact Rated value 40 A</li> </ul> </li> </ul>	
Operating current	
<ul style="list-style-type: none"> <li>• with 1 current path at DC-1 <ul style="list-style-type: none"> <li>— at 24 V Rated value 50 A</li> <li>— at 110 V Rated value 4.5 A</li> <li>— at 220 V Rated value 1 A</li> <li>— at 440 V Rated value 0.4 A</li> </ul> </li> <li>• with 2 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V Rated value 50 A</li> <li>— at 110 V Rated value 45 A</li> <li>— at 220 V Rated value 5 A</li> <li>— at 440 V Rated value 1 A</li> </ul> </li> </ul>	
Operating current	
<ul style="list-style-type: none"> <li>• with 1 current path at DC-3 at DC-5 <ul style="list-style-type: none"> <li>— at 24 V per NC contact Rated value 35 A</li> <li>— at 24 V per NO contact Rated value 35 A</li> <li>— at 110 V per NC contact Rated value 1.25 A</li> <li>— at 110 V per NO contact Rated value 2.5 A</li> <li>— at 220 V per NC contact Rated value 0.5 A</li> <li>— at 220 V per NO contact Rated value 1 A</li> <li>— at 440 V per NC contact Rated value 0.05 A</li> <li>— at 440 V per NO contact Rated value 0.1 A</li> </ul> </li> <li>• with 2 current paths in series at DC-3 at DC-5 <ul style="list-style-type: none"> <li>— at 110 V per NC contact Rated value 12.5 A</li> <li>— at 110 V per NO contact Rated value 25 A</li> <li>— at 220 V per NC contact Rated value 2.5 A</li> <li>— at 220 V per NO contact Rated value 5 A</li> <li>— at 24 V per NC contact Rated value 50 A</li> </ul> </li> </ul>	