

CONTACTOR,
110KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 220-
240V AUXILIARY CONTACTS 2NO+2NC 3-POLE,
SIZE S10 BAR CONNECTIONS CONVENT. OPERATING
MECHANISM SCREW TERMINAL

General details:

product brand name		SIRIUS
product designation		power contactor
Size of the contactor		S10
Protection class IP / on the front		IP00
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during operating	°C	-25 ... +60
Active power loss / per conductor / typical	W	17
Item designation		
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		Q
<ul style="list-style-type: none"> • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		K
Mechanical operating cycles as operating time		
<ul style="list-style-type: none"> • of the contactor / typical 		10,000,000
<ul style="list-style-type: none"> • of the contactor with added auxiliary switch block / typical 		10,000,000
<ul style="list-style-type: none"> • of the contactor with added electronics-compatible auxiliary switch block / typical 		5,000,000

Main circuit:

Number of poles / for main current circuit		3
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating current / at AC-1 / at 400 V / at 40 °C ambient temperature / rated value	A	275
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	250
Operating current		
<ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value 	A	225
<ul style="list-style-type: none"> • with 1 current path 		
<ul style="list-style-type: none"> • at DC-1 		
<ul style="list-style-type: none"> • at 24 V / rated value 	A	200

<ul style="list-style-type: none"> • at 110 V / rated value 	A	18
<ul style="list-style-type: none"> • at DC-3 / at DC-5 	A	200
<ul style="list-style-type: none"> • at 24 V / rated value 	A	2.5
<ul style="list-style-type: none"> • at 110 V / rated value 		
<ul style="list-style-type: none"> • with 2 current paths in series 		
<ul style="list-style-type: none"> • at DC-1 		
<ul style="list-style-type: none"> • at 24 V / rated value 	A	200
<ul style="list-style-type: none"> • at 110 V / rated value 	A	200
<ul style="list-style-type: none"> • at DC-3 / at DC-5 		
<ul style="list-style-type: none"> • at 24 V / rated value 	A	200
<ul style="list-style-type: none"> • at 110 V / rated value 	A	200
<ul style="list-style-type: none"> • with 3 current paths in series 		
<ul style="list-style-type: none"> • at DC-1 		
<ul style="list-style-type: none"> • at 24 V / rated value 	A	200
<ul style="list-style-type: none"> • at 110 V / rated value 	A	200
<ul style="list-style-type: none"> • at DC-3 / at DC-5 		
<ul style="list-style-type: none"> • at 24 V / rated value 	A	200
<ul style="list-style-type: none"> • at 110 V / rated value 	A	200
Service power		
<ul style="list-style-type: none"> • at AC-1 / at 400 V / rated value 	kW	164
<ul style="list-style-type: none"> • at AC-2 / at 400 V / rated value 	kW	128
<ul style="list-style-type: none"> • at AC-3 		
<ul style="list-style-type: none"> • at 400 V / rated value 	kW	128
<ul style="list-style-type: none"> • at 500 V / rated value 	kW	160
<ul style="list-style-type: none"> • at 690 V / rated value 	kW	223

Control circuit:

Design of activation		conventional
Design of the surge suppressor		with varistor
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage frequency		
<ul style="list-style-type: none"> • 1 / rated value 	Hz	40
<ul style="list-style-type: none"> • 2 / rated value 	Hz	60
Control supply voltage / 1		
<ul style="list-style-type: none"> • for DC 		
<ul style="list-style-type: none"> • initial rated value 	V	220
<ul style="list-style-type: none"> • final rated value 	V	240
<ul style="list-style-type: none"> • at 50 Hz / for AC 		
<ul style="list-style-type: none"> • initial rated value 	V	220
<ul style="list-style-type: none"> • final rated value 	V	240