



CONTACTOR,
400A/AC-1 AC(40...60HZ)/DC OPERATION UC 220-240V
AUXILIARY CONTACTS 2NO+2NC 3-POLE,
SIZE S10 BAR CONNECTIONS CONVENT. OPERATING
MECHANISM

General technical data:

product brand name		SIRIUS
Size of contactor		S10
Protection class IP / on the front		IP00
Degree of pollution		3
Installation altitude / at height above sea level / maximum	m	2,000
Ambient temperature		
• during operation	°C	-25 ... +60
Mechanical service life (switching cycles)		
• of the contactor / typical		10,000,000
• 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		3
Operating current		
• at AC-1 / up to 690 V		
• at ambient temperature 40 °C / Rated value	A	400
• at ambient temperature 60 °C / Rated value	A	380

• at AC-3 / at 400 V / Rated value	A	138
Operating current		
• with 1 current path / at DC-1		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	33
• with 2 current paths in series / at DC-1		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	380
• with 3 current paths in series / at DC-1		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	380
Operating current		
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	3
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	380
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / Rated value	A	380
• at 110 V / Rated value	A	380
Operating power		
• at AC-1		
• at 400 V / Rated value	kW	250
• at AC-2		
• at 400 V / Rated value	kW	75
• at AC-3		
• at 400 V / Rated value	kW	75
• at 500 V / Rated value	kW	90
• at 690 V / Rated value	kW	132
Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductor	W	27

Control circuit/ Control:

Design of the surge suppressor		with varistor
Type of voltage / of the control supply voltage		AC/DC
Control supply voltage		
• for DC		
• Rated value	V	220 ... 240
• with AC / at 50 Hz		

<ul style="list-style-type: none"> • Rated value 	V	220 ... 240
<ul style="list-style-type: none"> • with AC / at 60 Hz 		
<ul style="list-style-type: none"> • Rated value 	V	220 ... 240
Operating range factor control supply voltage rated value / of the magnet coil		
<ul style="list-style-type: none"> • with AC / at 50 Hz 		0.8 ... 1.1
<ul style="list-style-type: none"> • with AC / at 60 Hz 		0.8 ... 1.1
<ul style="list-style-type: none"> • for DC 		0.8 ... 1.1
Apparent pick-up power / of the magnet coil / with AC	V·A	590
Apparent holding power / of the magnet coil / with AC	V·A	6.7
Inductive power factor		
<ul style="list-style-type: none"> • with closing power of the coil 		0.9
<ul style="list-style-type: none"> • with the holding power of the coil 		0.9
Closing power / of the magnet coil / for DC	W	650
Holding power / of the magnet coil / for DC	W	7.4

Auxiliary circuit:

Number of NC contacts / for auxiliary contacts / instantaneous contact		2
Number of NO contacts / for auxiliary contacts / instantaneous contact		2
Operating current		
<ul style="list-style-type: none"> • at AC-12 / maximum 	A	10
<ul style="list-style-type: none"> • at AC-15 		
<ul style="list-style-type: none"> • at 230 V / Rated value 	A	6
<ul style="list-style-type: none"> • at 400 V / Rated value 	A	3
Operating current / at DC-12		
<ul style="list-style-type: none"> • at 60 V / Rated value 	A	6
<ul style="list-style-type: none"> • at 110 V / Rated value 	A	3
<ul style="list-style-type: none"> • at 220 V / Rated value 	A	1
Operating current / at DC-13		
<ul style="list-style-type: none"> • at 24 V / Rated value 	A	10
<ul style="list-style-type: none"> • at 60 V / Rated value 	A	2
<ul style="list-style-type: none"> • at 110 V / Rated value 	A	1
<ul style="list-style-type: none"> • at 220 V / Rated value 	A	0.3

Short-circuit:

Design of the fuse link		
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit 		
<ul style="list-style-type: none"> • with type of assignment 1 / required 		fuse gL/gG: 500 A

- with type of assignment 2 / required

fuse gL/gG: 500 A

Installation/ mounting/ dimensions:

Mounting type		screw fixing
Mounting type / Side-by-side mounting		Yes
Width	mm	145
Height	mm	210
Depth	mm	202
Spacing required / for grounded parts	mm	10

Connections/ terminals:

Design of the electrical connection		
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		<p>screw-type terminals</p> <p>screw-type terminals</p>
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with core end processing • for AWG conductors / for auxiliary contacts 		<p>2/0 ... 500 kcmil</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (20 ... 16), 2x (18 ... 14), 1x 12</p>

Certificates/ approvals:

General Product Approval				Functional Safety / Safety of Machinery	Declaration of Conformity
 CCC	 CSA		 UL	Type Examination	 EG-Konf.
Test Certificates	Shipping Approval				
Special Test Certificate	 ABS	 DNV	 GL	 RMRS	
other					
Confirmation	other	Environmental Confirmations			

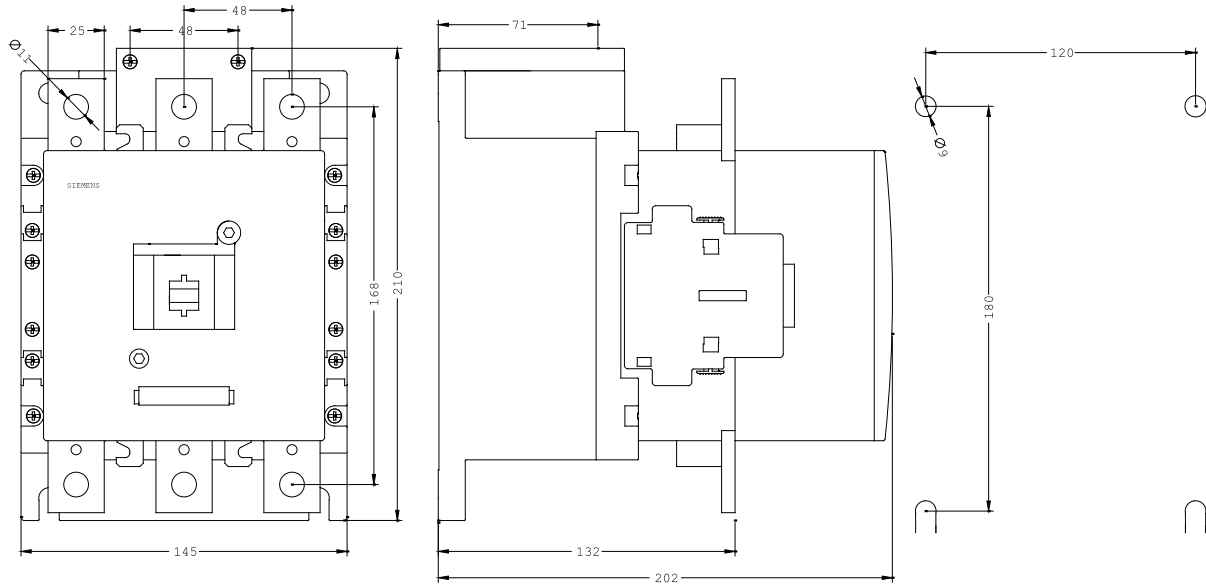
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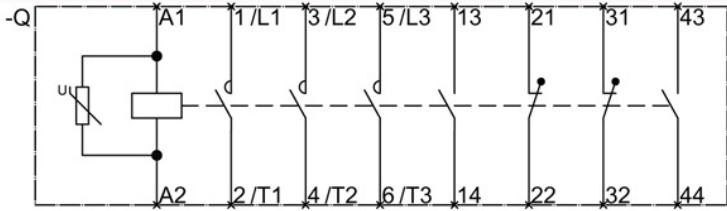
Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>





last change:

Dec 6, 2014