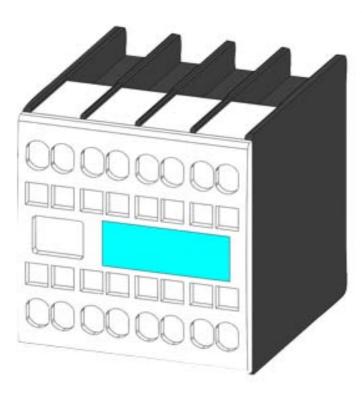
SIEMENS

Data sheet

3RH1911-2FA31



AUXILIARY SWITCH BLOCK, 31, 3NO+1NC, DIN EN50005, CAGE CLAMP CONNECTION, F. CONTACTOR RELAYS A. CONTACT. FOR SWITCHING MOTORS, SIZE S00

product brand name		SIRIUS
•	_	
Suitability for use		Contactor relay and power contactor
Protection class IP on the front		IP20
Ambient temperature		
• during storage	°C	-55 +80
 during operation 	°C	-25 +60
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at		200 000
230 V typical		
Contact reliability		one incorrect switching operation of 100 million
		switching operations (17 V, 5 mA)
Contact reliability of auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated	V	690
value		
Surge voltage resistance rated value	kV	6
	_	
uxiliary circuit:		
Number of NC contacts for auxiliary contacts		
 instantaneous contact 		1

Number of NO contacts for auxiliary contacts	_	
instantaneous contact		3
Operating current of auxiliary contacts at AC-12	-	
• at 24 V	А	10
• at 230 V	А	10
• maximum	А	10
Operating current		
 of auxiliary contacts 		
— at AC-14		
— at 125 V	А	6
— at 250 V	А	6
— at AC-15		
— at 24 V	А	6
— at 230 V	А	6
— at 400 V	А	3
• at AC-15 at 690 V rated value	А	1
Operating current	_	
 with 2 current paths in series at DC-12 		
— at 24 V rated value	А	10
— at 60 V rated value	А	10
— at 110 V rated value	А	4
— at 220 V rated value	А	2
— at 440 V rated value	А	1.3
— at 600 V rated value	А	0.65
 with 3 current paths in series at DC-12 		
— at 24 V rated value	А	10
— at 60 V rated value	А	10
— at 110 V rated value	А	10
— at 220 V rated value	А	3.6
— at 440 V rated value	А	2.5
— at 600 V rated value	А	1.8
Operating current	_	
 of auxiliary contacts at DC-13 		
— at 24 V	А	6
— at 60 V	А	2
— at 110 V	А	1
— at 220 V	А	0.3
• with 2 current paths in series at DC-13		
— at 24 V rated value	А	10
— at 60 V rated value	А	3.5
— at 110 V rated value	А	1.3

— at 220 V rated value	А	0.9
— at 440 V rated value	А	0.2
— at 600 V rated value	А	0.1
 with 3 current paths in series at DC-13 		
— at 24 V rated value	А	10
— at 60 V rated value	А	4.7
— at 110 V rated value	А	3
— at 220 V rated value	А	1.2
— at 440 V rated value	А	0.5
— at 600 V rated value	А	0.26

Installation/ mounting/ dimensions:			
Mounting type		snap-on mounting	
Width	mm	36.5	
Height	mm	37.5	
Depth	mm	46	

Connections/ Terminals:	
Type of electrical connection for auxiliary and control	spring-loaded terminals
current circuit	
Type of connectable conductor cross-sections	
 for auxiliary contacts 	
— finely stranded	
— with core end processing	2x (0.5 1.5 mm²)
- without core end processing	2x (0.5 2.5 mm²)
 at AWG conductors for auxiliary contacts 	2x (20 14)
Safety related data:	
Product function Mirror contact acc. to IEC 60947-4-1	Yes
Note	with 3RT1
Product function positively driven operation acc. to	Yes
IEC 60947-5-1	
Note	with 3RH1

Certificates/ approvals:

General Product	Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
	CSA CSA	EHC		Baumusterbescheini gung	EG-Konf.
Test Certificates	Shipping Appr	roval			
spezielle Prüfbescheinigunge <u>n</u>	ABS	BUREAU VERITAS	GL	Lloyd's Register Lrs	RINA
Shipping Approval	other				
RMRS	sonstig	Umweltbestätigung	Bestätigungen		
Irther information					

Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH19112FA31

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH19112FA31

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH19112FA31&lang=en

