SIEMENS

Data sheet

3RH2911-4DA11



LATERAL AUX.SWITCH BLOCK,SIDE, 1NO+1NC, CURR.PATH: 1NC, 1NO, FOR MOTOR CONTACTORS, SZ S00, RING CABLE LUG CONNECTION R: 21/22, 33/34 L: 41/42, 53/54

product brand name SIRIUS Suitability for use Contactor relay and power contactor Protection class IP on the front IP20 Ambient temperature • during storage °C • during operation °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 230 V typical 200 000 Contact reliability one incorrect switching operation of 100 million switching operations (17 V, 1 mA) Contact reliability of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Insulation voltage with degree of pollution 3 Rated value V Surge voltage resistance Rated value kV Auxiliary circuit: 0 Number of NC contacts for auxiliary contacts 1 • instantaneous contact 1 • instantaneous contact 1 • instantaneous contact 1	General technical data:		
Protection class IP on the frontIP20Ambient temperature°C-55 +80• during storage°C-25 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 1 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueVSurge voltage resistance Rated valuekVNumber of NC contacts for auxiliary contacts1• instantaneous contact1• instantaneous contact1• instantaneous contact1• instantaneous contact1	product brand name		SIRIUS
Ambient temperature°C-55 +80• during storage°C-55 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 1 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV690Surge voltage resistance Rated valuekV6Auxiliary circuit:1Number of NC contacts for auxiliary contacts1• instantaneous contact1• instantaneous contact1• instantaneous contact1• instantaneous contact1	Suitability for use	-	Contactor relay and power contactor
• during storage°C-55 +80• during operation°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 1 mA)Contact reliabilityone incorrect switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV690Surge voltage resistance Rated valuekV6Auxiliary circuit:1Number of NC contacts for auxiliary contacts • instantaneous contact1Insulation voltage witching0Number of NO contacts for auxiliary contacts • instantaneous contact1Insulation voltage surplication1	Protection class IP on the front	_	IP20
• during oreration°C-25 +60Mechanical service life (switching cycles) typical10 000 000Electrical endurance (switching cycles) at AC-15 at 230 V typical200 000Contact reliabilityone incorrect switching operation of 100 million switching operations (17 V, 1 mA)Contact reliability of the auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV690Surge voltage resistance Rated valuekV6Auxiliary circuit:11Number of NC contacts for auxiliary contacts1• instantaneous contact1• instantaneous contact1• instantaneous contact1• instantaneous contact1	Ambient temperature	_	
Mechanical service life (switching cycles) typical 10 000 000 Electrical endurance (switching cycles) at AC-15 at 230 V typical 200 000 Contact reliability one incorrect switching operation of 100 million switching operations (17 V, 1 mA) Contact reliability of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Insulation voltage with degree of pollution 3 Rated value V Surge voltage resistance Rated value kV Auxiliary circuit: Number of NC contacts for auxiliary contacts Insulation switching 0 Number of NO contacts for auxiliary contacts 1 Insulation switching 1 Insulation voltage with degree of pollution 3 Rated value I KV 6	 during storage 	°C	-55 +80
Electrical endurance (switching cycles) at AC-15 at 230 V typical 200 000 Contact reliability one incorrect switching operation of 100 million switching operations (17 V, 1 mA) Contact reliability of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Insulation voltage with degree of pollution 3 Rated value V 690 Surge voltage resistance Rated value kV 6 Auxiliary circuit: Number of NC contacts for auxiliary contacts 1 I lagging switching 0 0 Number of NO contacts for auxiliary contacts 1 1	 during operation 	°C	-25 +60
230 V typical one incorrect switching operation of 100 million switching operations (17 V, 1 mA) Contact reliability one incorrect switching operations (17 V, 1 mA) Contact reliability of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Insulation voltage with degree of pollution 3 Rated value V 690 Surge voltage resistance Rated value kV 6 Auxiliary circuit: value 1 Number of NC contacts for auxiliary contacts 1 • instantaneous contact 1 • lagging switching 0 Number of NO contacts for auxiliary contacts 1 • instantaneous contact 1 • instantaneous contact 1 • instantaneous contact 1	Mechanical service life (switching cycles) typical	-	10 000 000
Contact reliability of the auxiliary contactsswitching operations (17 V, 1 mA)Insulation voltage with degree of pollution 3 Rated valueV690Surge voltage resistance Rated valuekV6Auxiliary circuit:KV6Number of NC contacts for auxiliary contacts • instantaneous contact1Iagging switching0Number of NO contacts for auxiliary contacts • instantaneous contact1Iagging switching0Number of NO contacts for auxiliary contacts • instantaneous contact111			200 000
Insulation voltage with degree of pollution 3 Rated value V 690 Surge voltage resistance Rated value kV 6 Auxiliary circuit: 6 Number of NC contacts for auxiliary contacts 1 • instantaneous contact 0 Number of NO contacts for auxiliary contacts 1 • instantaneous contact 1 • instantaneous contact 1 • instantaneous contact 1 • instantaneous contact 1	Contact reliability	-	• .
valuekV6Surge voltage resistance Rated valuekV6Auxiliary circuit:6Number of NC contacts for auxiliary contacts1• instantaneous contact1• lagging switching0Number of NO contacts for auxiliary contacts1• instantaneous contact1• instantaneous contact1• instantaneous contact1• instantaneous contact1	Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Auxiliary circuit: Number of NC contacts for auxiliary contacts • instantaneous contact • lagging switching Number of NO contacts for auxiliary contacts • instantaneous contact • instantaneous contact 1 0 Number of NO contacts for auxiliary contacts • instantaneous contact 1		V	690
Number of NC contacts for auxiliary contacts 1 • instantaneous contact 1 • lagging switching 0 Number of NO contacts for auxiliary contacts 1 • instantaneous contact 1 1 1 1 1 1 1 1 1 1 1	Surge voltage resistance Rated value	kV	6
• instantaneous contact1• lagging switching0Number of NO contacts for auxiliary contacts0• instantaneous contact1	Auxiliary circuit:		
 lagging switching Number of NO contacts for auxiliary contacts instantaneous contact 1 	Number of NC contacts for auxiliary contacts		
Number of NO contacts for auxiliary contacts 1	 instantaneous contact 		1
instantaneous contact	 lagging switching 		0
	Number of NO contacts for auxiliary contacts		
	 instantaneous contact 		1
leading contact	 leading contact 		0
Operating current of the auxiliary contacts at AC-12	Operating current of the auxiliary contacts at AC-12		
• at 24 V A 10	• at 24 V	А	10

• at 230 V	А	10
• maximum	A	10
Operating current		
of the auxiliary contacts		
— at AC-14		
— at 125 V	А	6
— at 250 V	A	6
— at 200 v		
— at 24 V	А	6
— at 230 V	A	6
— at 200 V — at 400 V	A	3
 at 400 V at AC-15 at 690 V Rated value 	A	1
Operating current		
with 2 current paths in series at DC-12		
- at 24 V Rated value	А	10
— at 60 V Rated value	A	10
— at 110 V Rated value	A	4
— at 220 V Rated value	A	2
— at 440 V Rated value	A	- 1.3
— at 600 V Rated value	A	0.65
 with 3 current paths in series at DC-12 		
— at 24 V Rated value	A	10
— at 60 V Rated value	A	10
— at 110 V Rated value	A	10
— at 220 V Rated value	A	3.6
— at 440 V Rated value	А	2.5
— at 600 V Rated value	A	1.8
Operating current		
 of the 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	10			
Height	mm	85.4			
Depth	mm	43.7			

Connections/ Terminals:	
Type of electrical connection for auxiliary and control	ring cable connection
current circuit	
Safety related data:	
Product function Mirror contact acc. to IEC 60947-4-1	Yes
Note	with 3RT2
Product function positively driven operation acc. to	No
IEC 60947-5-1	

Certificates/ approvals:

ccc

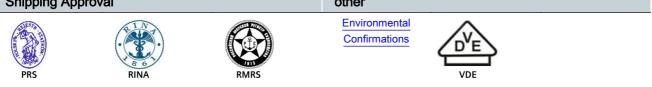
CSA

	e raie.				
General Prod	uct Approval			Declaration of Conformity	Test Certificates
		EHC	(U)	EG-Konf	<u>Type Test</u> Certificates/Test <u>Report</u>

UL

EG-Konf.

Test Certificates	Shipping Ap	proval			
Special Test Certificate	ABS	BUREAU VERITAS		GL	Lloyd's Register Lrs
Shipping Appro	val		other		



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

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=3RH29114DA11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RH29114DA11/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RH29114DA11&lang=en

