SIEMENS

Data sheet

3RH2911-1DA11



auxiliary switch, lateral, 1 NO + 1 NC, on the left: 41/42, 53/54, on the right: 21/22, 33/34, current path: 1 NC, 1 NO, screw terminal, for contactors 3RT2.1

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH29
suitability for use	for 3RT2.1
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	40 g
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
 lagging switching 	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A

• at 60 V rated value	10 A
 at 110 V rated value 	4 A
 at 220 V rated value 	2 A
 at 440 V rated value 	1.3 A
 at 600 V rated value 	0.65 A
operational current with 3 current paths in series at DC-12	
 at 24 V rated value 	10 A
 at 60 V rated value 	10 A
 at 110 V rated value 	10 A
 at 220 V rated value 	3.6 A
 at 440 V rated value 	2.5 A
• at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
• at 110 V rated value	1.3 A
• at 220 V rated value	0.9 A
• at 440 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.788 kg
Global Warming Potential [CO2 eq] during manufacturing	0.2 kg
Global Warming Potential [CO2 eq] during operation	0.56 kg
Global Warming Potential [CO2 eq] after end of life	0.03 kg
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes; with 3RT2
 positively driven operation according to IEC 60947-5-1 	No
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	57.4 mm
width	10 mm
depth	66 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm ²
 finely stranded with core end processing 	0.5 2.5 mm ²
type of connectable conductor cross-sections	

provalImage: Constraint of the constraint	 for auxiliary containing 	icts					
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section for consultance contacts 20 14 Approvals Confiftation EMP EMP Confirmation General Product Approval EMV Functional Safety Test Confirmation Test Confirmation General Product Approval EMV Functional Safety Test Confirmation							
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