# **SIEMENS**

Data sheet 3RH2911-1LA20



auxiliary switch, on the front, 2 NO, 73/74, 83/84, current path: 1 NO, 1 NO, cable entry from the top, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
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
number of NC contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	0
<ul> <li>lagging switching</li> </ul>	0
number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	2
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
<ul> <li>at 220 V rated value</li> </ul>	2 A
<ul> <li>at 440 V rated value</li> </ul>	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	0.92 kg
Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	0.017 mg
-	
product function	
•	Voc: with 2DT2
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	Yes; with 3RT2 Yes
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> <li>Installation/ mounting/ dimensions</li> </ul>	Yes
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method	Yes snap-on mounting
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height	Yes snap-on mounting 37.5 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method  height  width	Yes snap-on mounting 37.5 mm 36 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth	Yes snap-on mounting 37.5 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals	Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit	Yes snap-on mounting 37.5 mm 36 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	snap-on mounting 37.5 mm 36 mm 43.7 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts     solid or stranded	snap-on mounting 37.5 mm 36 mm 43.7 mm  screw-type terminals  0.5 2.5 mm²
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing	snap-on mounting 37.5 mm 36 mm 43.7 mm
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections	snap-on mounting 37.5 mm 36 mm 43.7 mm  screw-type terminals  0.5 2.5 mm²
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1  Installation/ mounting/ dimensions  fastening method height width depth  Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing	snap-on mounting 37.5 mm 36 mm 43.7 mm  screw-type terminals  0.5 2.5 mm²

- solid or stranded

- finely stranded with core end processing

• for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts

20 ... 14

#### **Approvals Certificates**

## **General Product Approval**









Confirmation



**General Product Approval** 

**EMV** 

**Functional Saftey** 

**Test Certificates** 

<u>KC</u>





Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate

#### Marine / Shipping





**Miscellaneous** 









Marine / Shipping

other

Railway

Environment



Confirmation

Special Test Certificate Type Test Certificates/Test Report



#### **Environment**

Environmental Confirmations

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1LA20

Cax online generator

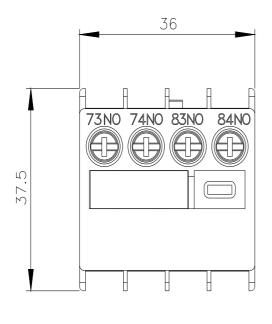
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1LA20

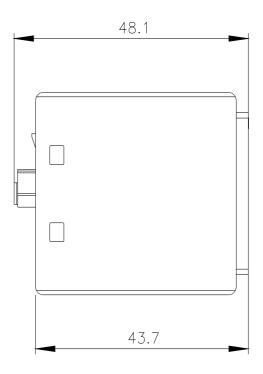
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

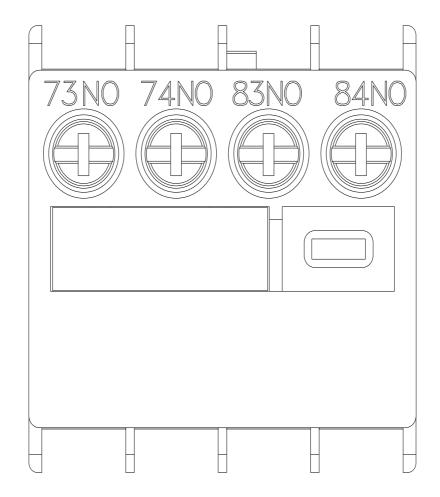
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1LA20

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

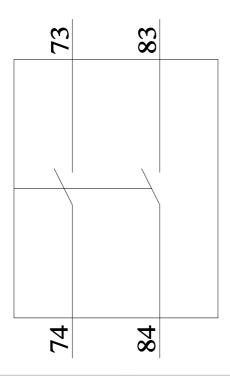
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2911-1LA20&lang=en

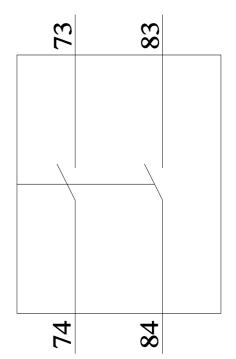






3RT2 3RH2





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