

auxiliary switch, on the front, 4 NO, .3/.4, .3/.4, .3/.4, .3/.4, current path: 1 NO, 1 NO, 1 NO, 1 NO, 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	Contactor relay and power contactor

General technical data

size of contactor	S00, S0, S2, S3
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

Ambient conditions

ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C

Auxiliary circuit

number of NC contacts for auxiliary contacts	
• instantaneous contact	0
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	4
• 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-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
- at 60 V rated value
- at 110 V rated value
- at 220 V rated value
- at 440 V rated value
- at 600 V rated value

10 A
10 A
10 A
3.6 A
2.5 A
1.8 A

operational current with 2 current paths in series at DC-13

- at 24 V rated value
- at 60 V rated value
- at 110 V rated value
- at 220 V rated value
- at 440 V rated value
- at 600 V rated value

10 A
3.5 A
1.3 A
0.9 A
0.2 A
0.1 A

operational current with 3 current paths in series at DC-13

- at 24 V rated value
- at 60 V rated value
- at 110 V rated value
- at 220 V rated value
- at 440 V rated value
- at 600 V rated value

10 A
4.7 A
3 A
1.2 A
0.5 A
0.26 A

operational current of auxiliary contacts at DC-13

- at 24 V
- at 48 V
- at 60 V
- at 110 V
- at 125 V
- at 220 V
- at 250 V

6 A
2 A
2 A
1 A
0.9 A
0.3 A
0.3 A

contact reliability of auxiliary contacts

1 faulty switching per 100 million (17 V, 1 mA)

Safety related data

product function

- mirror contact according to IEC 60947-4-1
- positively driven operation according to IEC 60947-5-1

Yes; with 3RT2
Yes

contact reliability of auxiliary contacts

1 faulty switching per 100 million (17 V, 1 mA)

Installation/ mounting/ dimensions

fastening method

snap-on mounting

height

37.5 mm

width

36 mm

depth

43.7 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
- finely stranded with core end processing

0.5 ... 2.5 mm²
0.5 ... 2.5 mm²

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- at 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)
20 ... 14

AWG number as coded connectable conductor cross section for auxiliary contacts

Certificates/ approvals

General Product Approval



[Confirmation](#)



[KC](#)



EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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[Type Examination Certificate](#)



EG-Konf.



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Marine / Shipping



ABS



BUREAU VERITAS



DNV



LRS



PRS



RINA

Marine / Shipping

other

Railway



RMRS

[Confirmation](#)



VDE

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Vibration and Shock](#)

Environment

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RH2911-1FA40>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1FA40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1FA40>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1FA40&lang=en

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