3RH2911-2XA20-0MA0

Data sheet



auxiliary switch, on the front, 2 NO, 53/54, 63/64, --/--, --/--, current path: 1 NO, 1 NO, --, --, spring-loaded 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, with SUVA approval
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
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	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
 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	, V.20 7.
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• 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	riduity switching per 100 million (17 V, 1 milly)
ambient temperature	
during operation	-25 +60 °C
	-25 +80 °C
during storage Safety related data	-00 100 0
Safety related data	
product function	Voc. with 2DT2
mirror contact according to IEC 60947-4-1 magnitively driver proportion according to IEC 60947-5-1	Yes; with 3RT2
positively driven operation according to IEC 60947-5-1	Yes
 positively driven operation according to IEC 60947-5-1 	with 3RH2
	4.5 11 11 400 111 115
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
contact reliability of auxiliary contacts Installation/ mounting/ dimensions	
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method	snap-on mounting
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method height	snap-on mounting 41.5 mm
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method height width	snap-on mounting 41.5 mm 36 mm
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method height width depth	snap-on mounting 41.5 mm
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	snap-on mounting 41.5 mm 36 mm 47.7 mm
contact reliability of auxiliary contacts Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	snap-on mounting 41.5 mm 36 mm
contact reliability of auxiliary contacts 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 41.5 mm 36 mm 47.7 mm spring-loaded terminals
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contact reliability of auxiliary contacts 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 41.5 mm 36 mm 47.7 mm spring-loaded terminals 0.5 2.5 mm² 0.5 2.5 mm²
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- finely stranded without core end processing

• for AWG cables for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts

20 ... 14

Approvals Certificates

General Product Approval





Confirmation









Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping















other

Railway

Environment

Confirmation



Vibration and Shock

Special Test Certificate 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=3RH2911-2XA20-0MA0

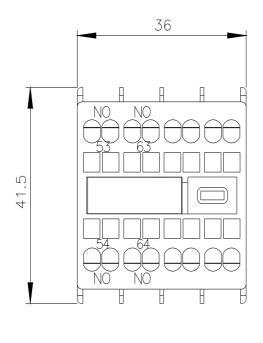
Cax online generator

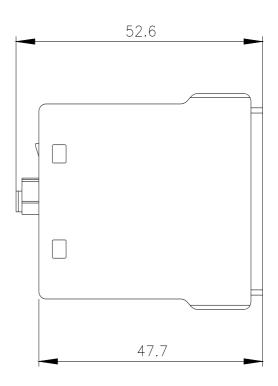
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

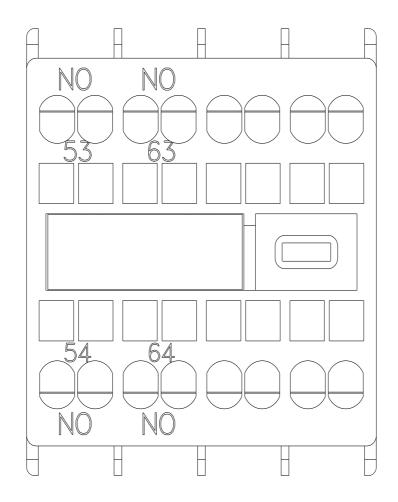
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2XA20-0MA0

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

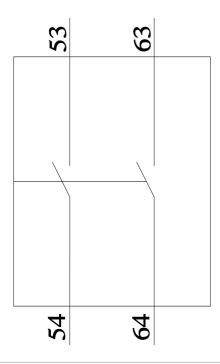
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2XA20-0MA0&lang=en

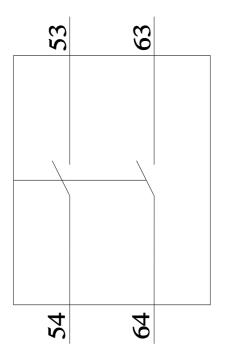






3RT2 3RH2





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