SIEMENS

Data sheet

3RH2911-1GA22



auxiliary switch, on the front, 2 NO + 2 NC, 53/54, 61/62, 71/72, 83/84, current path: 1 NO, 1 NC, 1 NC, 1 NO, screw terminal, physically coded, only with contactor relays 3RH2140 and 3RH2440 combinable (according to EN 50011)

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	Can be snapped onto front of 3RH2140/3RH2440 auxiliary switch
product type designation	3RH29
suitability for use	Contactor relay
General technical data	
size of contactor	S00
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	2
 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	
operational current with 2 current paths in series at DO-12	

• 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
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	No
 positively driven operation according to IEC 60947-5-1 	Yes
 positively driven operation according to IEC 60947-5-1 positively driven operation according to IEC 60947-5-1 	with 3RH2
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 36 mm
width	43.7 mm
depth Connections/ Terminals	40.7 mm
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	0.5 2.5 mm ²
solid or stranded	0.5 2.5 mm ²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)

auxiliary contacts	d connectable conductor cr	oss section for 20.	14				
Approvals Certificates General Product Approval							
	<u>Confirmation</u>		(UL)	KC	EHC		
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	ormity	Test Certificates			
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate		
Marine / Shipping							
ABS	BUREAU VERITAS		Lloyds Register us	PRS	RINA		
Marine / Shipping	other		Railway				
RMRS RMRS	<u>Confirmation</u>	DE	Vibration and Shock	Type Test Certific- ates/Test Report	Special Test Certific- ate		
Environment							
Environmental Con- firmations							

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=3RH2911-1GA22

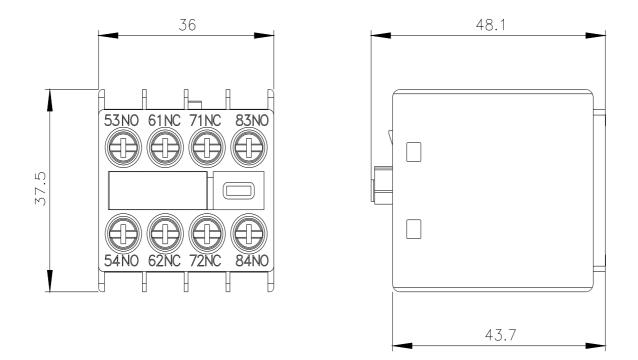
Cax online generator

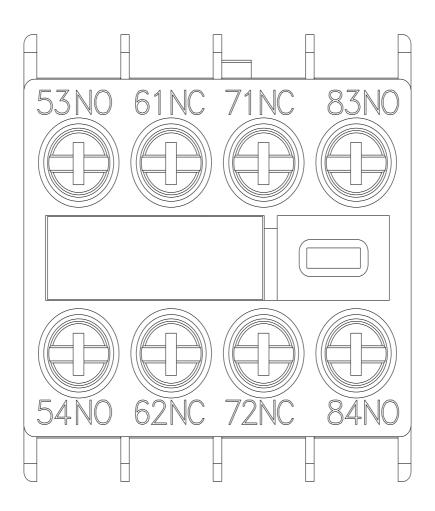
 $\underline{http://support.automation.siemens.com/WW/CAX order/default.aspx?lang=en&mlfb=3RH2911-1GA22$

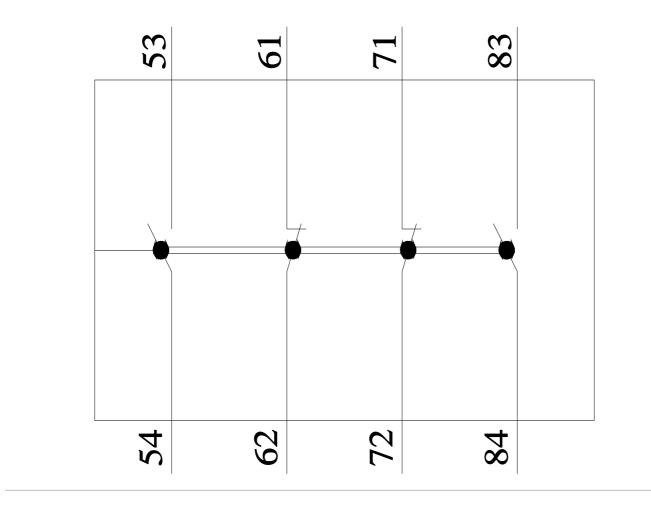
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1GA22

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1GA22&lang=en







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