SIEMENS

Data sheet



auxiliary switch, on the front, 4 NC, 51/52, 61/62, 71/72, 81/82, current path: 1 NC, 1 NC, 1 NC, 1 NC, spring-loaded terminal, physically coded, only with contactor relays 3RH2140 and 3RH2440 combinable (according to EN 50011), multi-unit packaging, pack = 50 units

Figure similar

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	for 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
Weight	0.046 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	4
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1A
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	

ext 110 V rated value	• at 24 V rated value	10 A
ent 220 V rated value	 at 60 V rated value 	10 A
4 and 400 V rated value	 at 110 V rated value 	4 A
en at 600 V mated value	• at 220 V rated value	2 A
operational current with 3 current paths in series at DC-12 • at 24 V rated value • at 10 V rated value • at 10 V rated value • at 20 V rated value • at 3 A • at 20 V rated value • at 3 A • at 20 V rated value • at 3 A • at 20 V rated value • at 3 A • at 20 V rated value • at 3 A • at 20 V rated value • at 3 A • at 20 V rated value • at 40 V rated value • at 60 V rated value • at 20 V rated value • at 30 V rated value • at 20 V rated value • at 30 V rated value • at 30 V rated value • at 20 V rated value • at 30 V rated value • at 30 V rated value • at 40 V rated value • at 20 V rated v	• at 440 V rated value	1.3 A
eat 24 V rated value	• at 600 V rated value	0.65 A
at 150 V fated value at 110 V rated value at 110 V rated value at 400 V rated value at 400 V rated value at 600 V	operational current with 3 current paths in series at DC-12	
	at 24 V rated value	10 A
ent 220 V rated value	at 60 V rated value	10 A
eat 440 V rated value	• at 110 V rated value	10 A
e at 500 V rated value operational current with 2 current paths in series at DC-13 e at 60 V rated value at 60 V rated value 13.5 A at 120 V rated value 13.6 A at 220 V rated value 0.9 A at 400 V rated value 0.1 A operational current with 3 current paths in series at DC-13 e at 80 V rated value 0.1 A operational current with 3 current paths in series at DC-13 e at 80 V rated value 4.7 A	• at 220 V rated value	3.6 A
operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 100 V rated value • at 110 V rated value • at 110 V rated value • at 24 V rated value • at 250 V rated value • at 260 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 28 V rated value • at 29 V rated value • at 110 V rated value • at 110 V rated value • at 200 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 24 V • at 180 V 2A • at 110 V • at 125 V •	• at 440 V rated value	2.5 A
at 24 V rated value at 10 V rated value at 110 V rated value at 220 V rated value at 260 V rated val	at 600 V rated value	1.8 A
at 80 V rated value	operational current with 2 current paths in series at DC-13	
at 110 V rated value	at 24 V rated value	10 A
* at 220 V rated value * at 440 V rated value * at 460 V * at 460 V * at 460 V * at 47 V * at 48 V * at 49 V * at 110 V * at 125 V * at 120 V * at 120 V * at 120 V * at 250 V * out 20 V * contact reliability of auxiliary contacts Abbient conditions Abbient conditions Abbient conditions Abbient department * during potential * during potential * Global Warming Potential (CO2 eq) during manufacturing * positive of during interestion according to IEC 60947-5-1 * positive of three interestion for auxiliary and control circuit * solid or stranded * sol	at 60 V rated value	3.5 A
a 1440 V rated value operational current with 3 current paths in series at DC-13 a 124 V rated value a 160 V rated value a 160 V rated value a 160 V rated value a 170 V rated value a 170 V rated value a 1220 V rated value a 1600 V rated value a 1600 V rated value b 160 V rated value a 1600 V rated value a 1600 V rated value c 160 V rated value c 160 V rated value c 160 V rated value c 170 V rated value c 180 V rated value rate value value c 180 V rated value rate value rate value value rate va	• at 110 V rated value	1.3 A
a 1600 V rated value	• at 220 V rated value	0.9 A
exterior and current with 3 current paths in series at DC-13 • at 24 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 4600 V rated value • at 4600 V rated value • at 4600 V rated value • at 660 V rated value operational current of auxiliary contacts at DC-13 • at 124 V • at 18 V • at 18 V • at 18 V • at 110 V • at 125 V • at 12	• at 440 V rated value	0.2 A
at 124 V rated value	• at 600 V rated value	0.1 A
at 124 V rated value	operational current with 3 current paths in series at DC-13	
	·	10 A
		3 A
• at 600 V rated value	at 220 V rated value	1.2 A
operational current of auxiliary contacts at DC-13 • at 24 V	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 10 V at 110 V at 125 V 0.9 A at 1220 V 0.3 A at 220 V 0.3 A contact reliability of auxiliary contacts Ambient conditions ambient temperature auting operation during storage Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 positively driven operation according to IEC 60947-6-1 positively driven operation according to I		6 A
at 110 V at 125 V at 220 V 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 during storage -55 +60 °C Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing 0.34 kg Global Warming Potential [CO2 eq] during manufacturing 0.562 kg 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 product function mirror contact according to IEC 60947-4-1 product function mirror contact according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height 41.5 mm width 36 mm depth 47.7 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit spring-loaded terminals type of electrical connection for auxiliary and control circuit spring-loaded terminals one of terminals spoil or stranded 0.5 2.5 mm²	● at 48 V	2 A
at 125 V at 220 V at 220 V at 250 V 0.3 A at 250 V 0.3 A Anbient conditions ambient temperature during operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life O.017 kg Safety related data product function mirror contact according to IEC 60947-4-1 product function mirror contact according to IEC 60947-5-1 Ves Installation/mounting/ dimensions fastening method snap-on mounting height 41.5 mm width depth 47.7 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts solid or stranded 0.5 m. 2.5 mm²	● at 60 V	2 A
at 220 V at 250 V 0.3 A 0.3 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Ambient conditions ambient temperature during operation during storage 25 +60 °C during storage 25 +80 °C Environmental Footprint Environmental Footprint Environmental Product Declaration(EPD) Yes Global Warming Potential (CO2 eq) total 0.92 kg Global Warming Potential (CO2 eq) during manufacturing 0.34 kg 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 product function mirror contact according to IEC 60947-4-1 product function mirror contact according to IEC 60947-5-1 Ves Installation/ mounting/ dimensions fastening method height 41.5 mm width 36 mm depth 47.7 mm Connections/ Terminals Type of electrical connection for auxiliary and control circuit spring-loaded terminals connectable conductor cross-section for auxiliary contacts solid or stranded 0.5 2.5 mm²	● at 110 V	1 A
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contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage • during storage Environmental Footprit Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] during operation O.562 kg Global Warming Potential [CO2 eq] differ end of life 3afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Yes fastening method height 41.5 mm width 36 mm depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary ontacts • solid or stranded		
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product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width 36 mm depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded No No No No No No No No No N		
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connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm²		anring landed terminals
• solid or stranded 0.5 2.5 mm²	_ · ·	spring-loaded terminals
	-	0.5 0.5
• Illiely stranged with core end processing 0.5 2.5 mm²		
	Tinely stranged with core end processing	U.O ∠.O MM*

0.5 ... 2.5 mm² • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts 2x (0.5 ... 2.5 mm²) - solid or stranded 2x (0.5 ... 1.5 mm²) - finely stranded with core end processing - finely stranded without core end processing 2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

AWG number as coded connectable conductor cross section for auxiliary contacts

• for AWG cables for auxiliary contacts

Approvals Certificates

General Product Approval







Confirmation





EMV **Functional Saftey Test Certificates** Marine / Shipping



Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping other











Confirmation

other Railway **Environment**

Miscellaneous

Special Test Certificate



Environmental Confirmations

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)

all.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2GA04-Z W98

Cax online generator

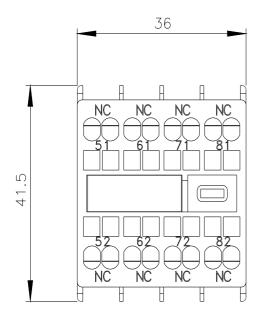
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2GA04-Z W98

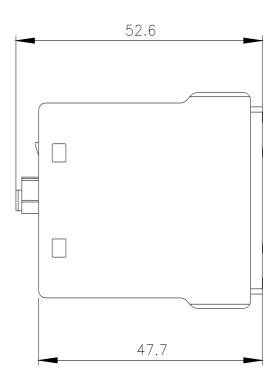
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

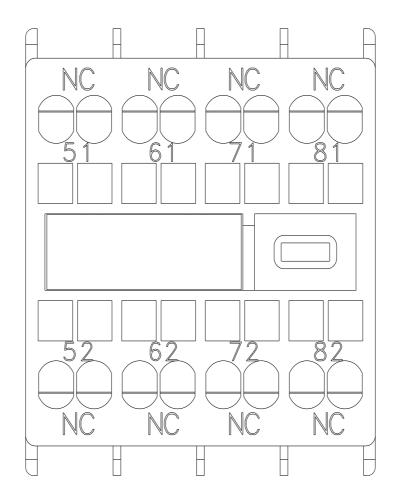
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2GA04-Z W98

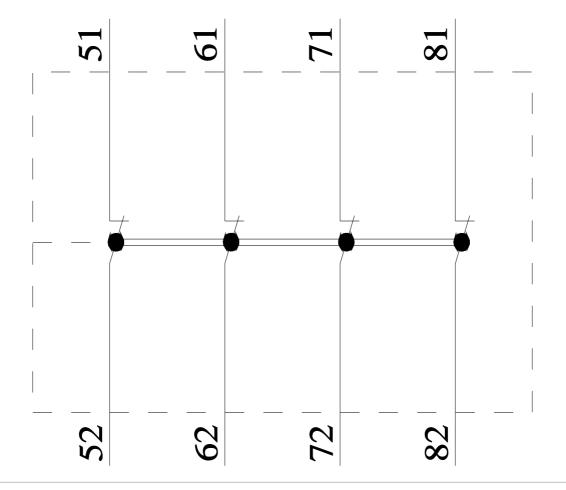
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2GA04-Z W98&lang=en









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