



Figure similar

auxiliary switch, on the front, 3 NO + 1 NC, 53/54, 61/62, 73/74, 83/84, current path: 1 NO, 1 NC, 1 NO, 1 NO, screw terminal, physically coded, only with contactor relays 3RH2140 and 3RH2440 combinable (according to EN 50011), multi-unit packaging, pack = 120 units

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 Prohibittance (Date)	10/01/2009
Weight	0.05 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	3
• 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 • 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 4 A 2 A 1.3 A 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)
Ambient conditions	
ambient temperature • during operation • during storage	-25 ... +60 °C -55 ... +80 °C
Environmental footprint	
Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO ₂ eq] total	0.92 kg
Global Warming Potential [CO ₂ eq] during manufacturing	0.34 kg
Global Warming Potential [CO ₂ eq] during operation	0.562 kg
Global Warming Potential [CO ₂ eq] after end of life	0.017 kg
Safety related data	
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	No Yes
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 mm ² 0.5 ... 2.5 mm ²

type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 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](#)



EMV	Functional Safety	Test Certificates	Marine / Shipping
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[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping	other
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[Confirmation](#)

other	Railway	Environment
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[Miscellaneous](#)

[Special Test Certificate](#)



[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=3RH2911-1GA31-Z W97>

Cax online generator

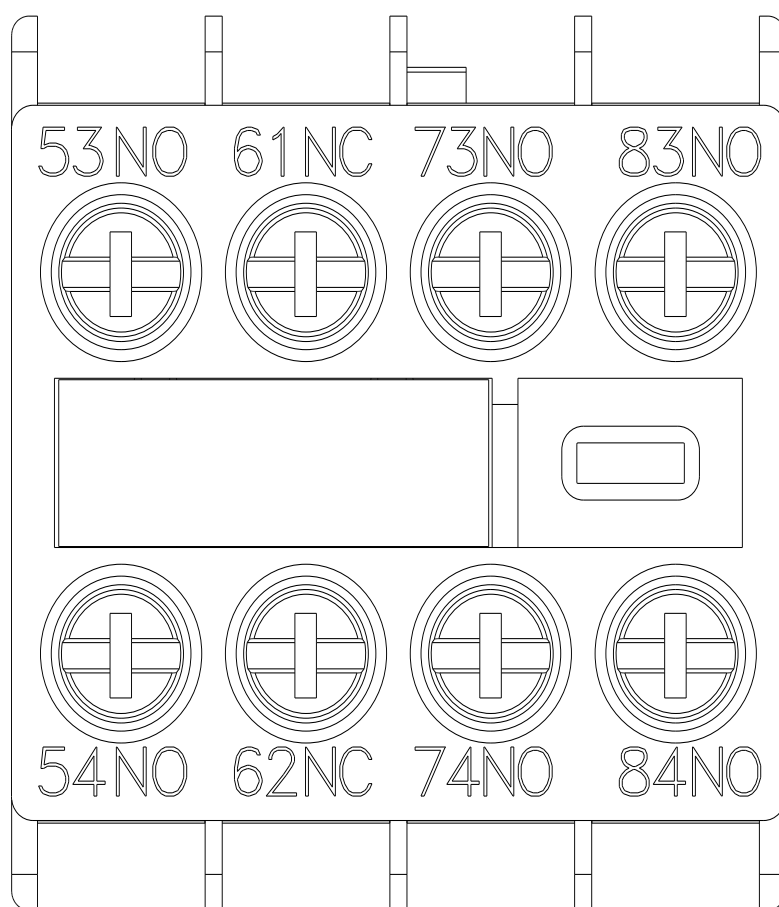
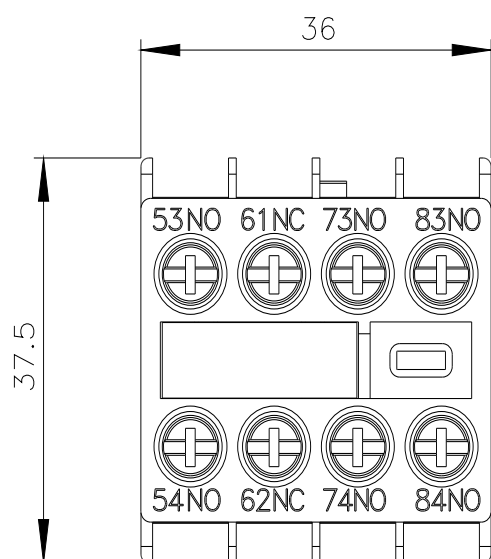
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1GA31-Z W97>

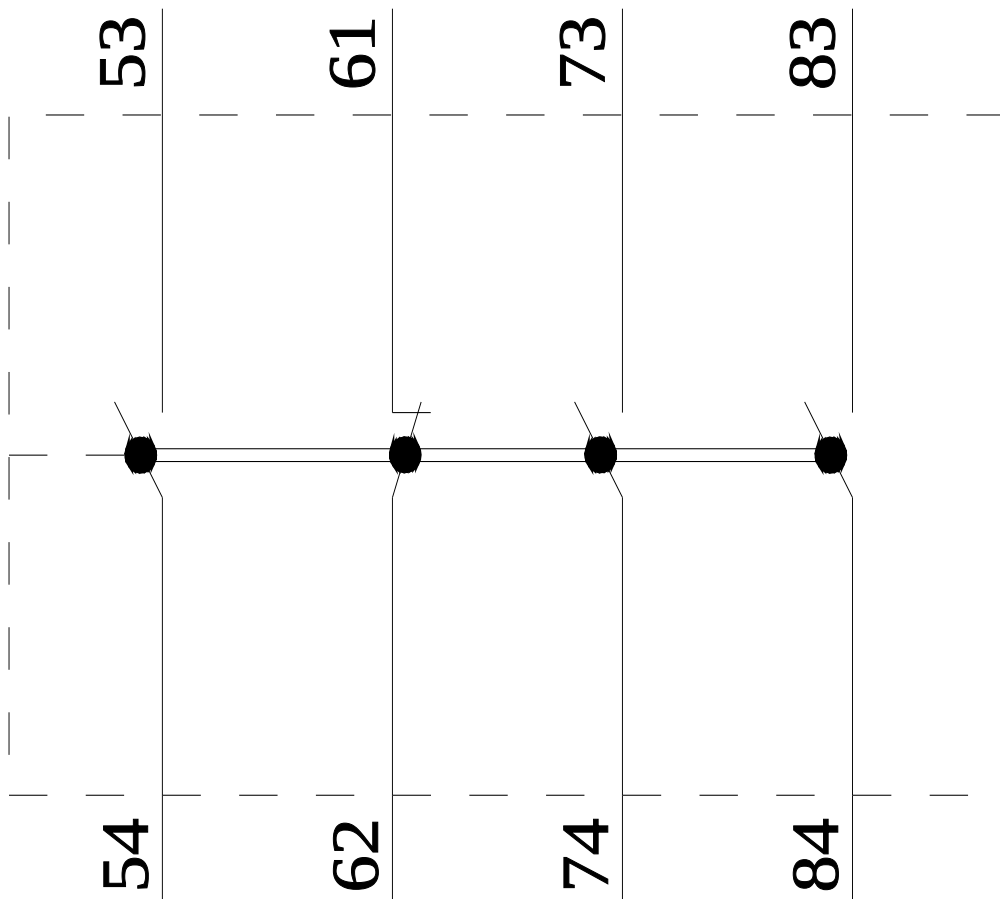
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1GA31-Z W97>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1GA31-Z W97&lang=en





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