SIEMENS

Data sheet 3RH2911-1NF20



auxiliary switch, solid-state compatible, on the front, 2 NO, .3/.4, --/--, --/--, .3/.4, current path: 1 NO (solid-state compatible), --, --, 1 NO (solid-state compatible), 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	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 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	5 000 000
Substance Prohibitance (day/month/year)	10/01/2009
Net Weight	0.045 g
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 of auxiliary contacts at DC-13	
● at 24 V	0.3 A
● at 48 V	0.3 A
● at 60 V	0.3 A
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (5 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	Yes; with 3RT2.2/3/4
● positively driven operation according to IEC 60947-5-1	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	FF microfuse 2 A (250 V, 1 kA)
Installation/ mounting/ dimensions	
fastening method	snap-on mounting

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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	0.5 ... 2.5 mm²
● 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 mm²), 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
● for AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)
AWG number as coded connectable conductor cross section for auxiliary contacts	20 ... 14

Approvals Certificates	
Environmental Product Declaration	
● global warming potential [CO2 eq] / during manufacturing	0.375 kg
● global warming potential [CO2 eq] / during operation	0.0014 kg
● global warming potential [CO2 eq] / after end of life	0.0202 kg
● global warming potential [CO2 eq] / total	0.397 kg

Environment

Environmental Confirmations

General Product Approval

General Product Approval

EMV

Functional Saftey

Test Certificates

Maritime application

Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report

Maritime application

other

Miscellaneous

other

Confirmation

Miscellaneous

Railway

Special Test Certificate

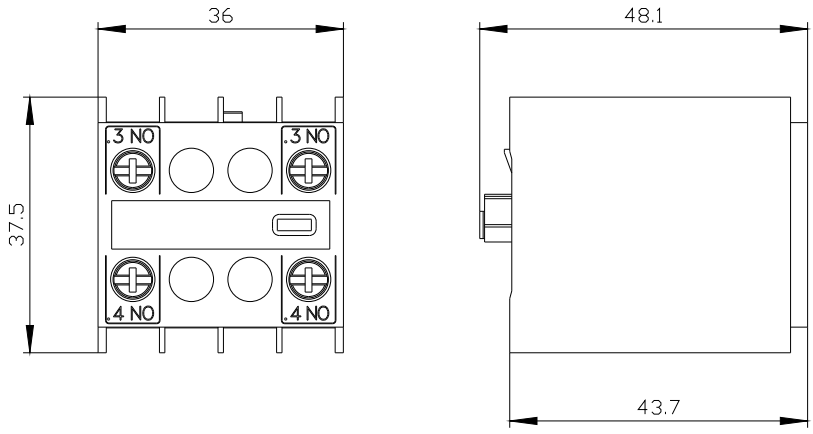
Type Test Certificates/Test Report

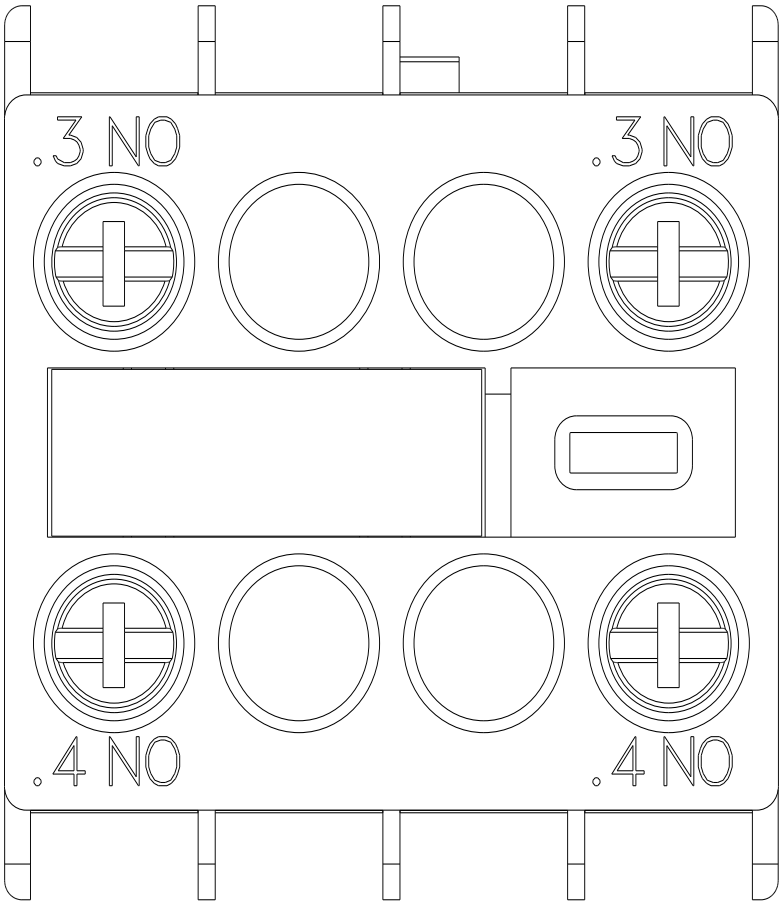
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RH2911-1NF20
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1NF20
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1NF20

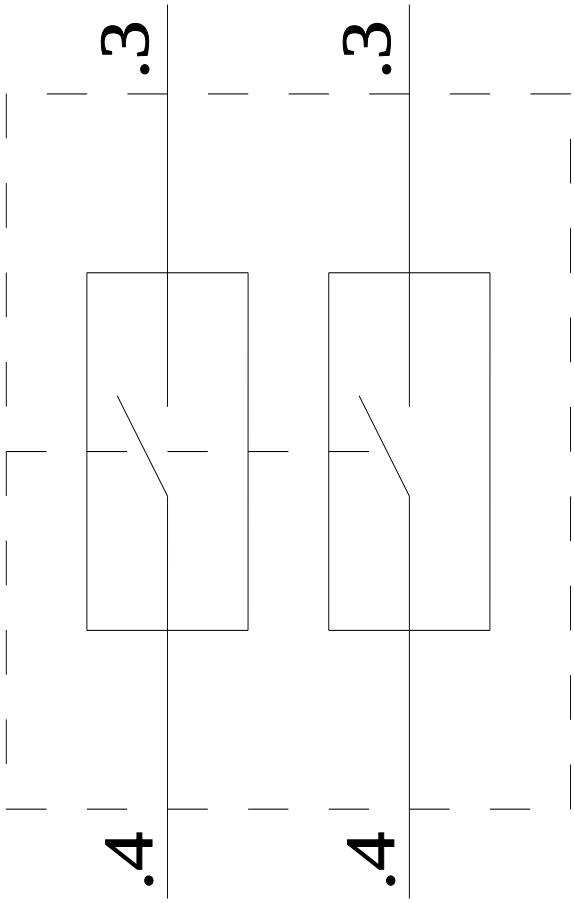
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