

AUXILIARY SWITCH BLOCK, 71E, 3NO+1NC, DIN EN50011, SCREW CONNECTION, FOR CONTACTOR RELAYS, 4-POLE



Figure similar

General technical data:		
product brand name		SIRIUS
Suitability for use		Contact relay and power contactor
Protection class IP on the front		IP20
Ambient temperature		
• during storage	°C	-55 ... +80
• during operation	°C	-25 ... +60
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		200 000
Contact reliability		one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
Contact reliability of auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated value	V	690
Surge voltage resistance rated value	kV	6

Auxiliary circuit:

Number of NC contacts for auxiliary contacts		
• instantaneous contact		1
Number of NO contacts for auxiliary contacts		
• instantaneous contact		3
Operating current of auxiliary contacts at AC-12		
• at 24 V	A	10
• at 230 V	A	10
• maximum	A	10
Operating current		
• of auxiliary contacts		
— at AC-14		
— at 125 V	A	6
— at 250 V	A	6
— at AC-15		
— at 24 V	A	6
— at 230 V	A	6
— at 400 V	A	3
• at AC-15 at 690 V rated value	A	1
Operating current		
• with 2 current paths in series at DC-12		
— at 24 V rated value	A	10
— at 60 V rated value	A	10
— at 110 V rated value	A	4
— at 220 V rated value	A	2
— at 440 V rated value	A	1.3
— at 600 V rated value	A	0.65
• with 3 current paths in series at DC-12		
— at 24 V rated value	A	10
— at 60 V rated value	A	10
— at 110 V rated value	A	10
— at 220 V rated value	A	3.6
— at 440 V rated value	A	2.5
— at 600 V rated value	A	1.8
Operating current		
• of auxiliary contacts at DC-13		
— at 24 V	A	6
— at 60 V	A	2
— at 110 V	A	1
— at 220 V	A	0.3
• with 2 current paths in series at DC-13		
— at 24 V rated value	A	10

— at 60 V rated value	A	3.5
— at 110 V rated value	A	1.3
— at 220 V rated value	A	0.9
— at 440 V rated value	A	0.2
— at 600 V rated value	A	0.1
• with 3 current paths in series at DC-13		
— at 24 V rated value	A	10
— at 60 V rated value	A	4.7
— at 110 V rated value	A	3
— at 220 V rated value	A	1.2
— at 440 V rated value	A	0.5
— at 600 V rated value	A	0.26

#### Installation/ mounting/ dimensions:

<b>Mounting type</b>		snap-on mounting
<b>Width</b>	mm	36.5
<b>Height</b>	mm	37.5
<b>Depth</b>	mm	41.5

#### Connections/ Terminals:

Type of electrical connection for auxiliary and control current circuit		screw-type terminals
<b>Type of connectable conductor cross-sections</b>		
• for auxiliary contacts		
— finely stranded		
— with core end processing		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
• at AWG conductors for auxiliary contacts		2x (20 ... 16), 2x (18 ... 14)

#### Safety related data:

<b>Product function Mirror contact acc. to IEC 60947-4-1</b>		Yes
• Note		with 3RT1
<b>Product function positively driven operation acc. to IEC 60947-5-1</b>		Yes
• Note		with 3RH1

#### Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1911-1GA31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1911-1GA31>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1911-1GA31&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1911-1GA31&lang=en)

