

AUXILIARY SWITCH BLOCK, 1 NO, DIN EN50005,
SCREW CONNECTION, FOR CONTACTORS FOR
SWITCHING MOTORS, 1-POLE



Figure similar

General technical data:		
product brand name		SIRIUS
Suitability for use		Contactor 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		0
Number of NO contacts for auxiliary contacts		
• instantaneous contact		1
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
- at 110 V rated value
- at 220 V rated value
- at 440 V rated value
- at 600 V rated value
- 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

A	3.5
A	1.3
A	0.9
A	0.2
A	0.1
A	10
A	4.7
A	3
A	1.2
A	0.5
A	0.26

Installation/ mounting/ dimensions:

Mounting type		snap-on mounting
Width	mm	10
Height	mm	38
Depth	mm	51

Connections/ Terminals:

Type of electrical connection for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-sections <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — finely stranded — with core end processing • at AWG conductors for auxiliary contacts 		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

Safety related data:

Product function Mirror contact acc. to IEC 60947-4-1 <ul style="list-style-type: none"> • Note 		Yes with 3RT1
Product function positively driven operation acc. to IEC 60947-5-1		No

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=3RH1921-1CA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1CA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1CA10&lang=en

