

AUXILIARY CONTACT BLOCK W. SCREW TERMINAL F.  
CONTACTOR RELAYS AND MOTOR CONTACTORS ACCORDING  
TO EN 50005 IDENTIFICAT.NUMBER 20, 2NO



General technical data	
product brandname	SIRIUS
Suitability for use	Contactor relay and power contactor
Protection class IP on the front	IP20
Ambient temperature	
• during storage	-55 ... +80 °C
• during operation	-25 ... +55 °C
Mechanical service life (switching cycles) typical	10 000 000
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
Auxiliary circuit	
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

<b>Operating current of auxiliary contacts at AC-12</b>	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
<b>Operating current</b>	
• of auxiliary contacts	
— at AC-14	
— at 125 V	10 A
— at AC-15	
— at 24 V	10 A
— at 230 V	5.6 A
— at 400 V	3.6 A
• at AC-15 at 690 V rated value	2.3 A
<b>Operating current</b>	
• of auxiliary contacts at DC-13	
— at 24 V	10 A
— at 60 V	5 A
— at 110 V	1.14 A
— at 220 V	0.48 A

#### Installation/ mounting/ dimensions

<b>Mounting type</b>	snap-on mounting
<b>Width</b>	45 mm
<b>Height</b>	24 mm
<b>Depth</b>	25 mm

#### Connections/Terminals



<b>Type of electrical connection for auxiliary and control current circuit</b>	screw-type terminals
<b>Type of connectable conductor cross-sections</b>	
• for auxiliary contacts	
— finely stranded	
— with core end processing	2x (0.5 ... 1.0 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
• at AWG conductors for auxiliary contacts	2x (18 ... 12)

#### Safety related data

<b>Product function positively driven operation acc. to IEC 60947-5-1</b>	Yes
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#### Certificates/approvals

General Product Approval				Test Certificates	Shipping Approval
 CCC	 CSA	 UL		<a href="#">spezielle Prüfbescheinigungen</a> n	 DNV

Shipping Approval	other
 PRS	 RINA
	<a href="#">Bestätigungen</a>

#### Further information

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TX4420-2A>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TX4420-2A>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TX4420-2A>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TX4420-2A&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TX4420-2A&lang=en)

last modified:

02/07/2017