

AUXILIARY CONTACT BLOCK FOR CONTACTOR RELAYS AND
F. CONTACTOR RELAY AND MOTOR CONTACTORS
ACCORDING TO EN 50005 IDENTIFICAT.NUMBER 31, 3NO+1NC



Figure similar

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	1
• lagging switching	0
Number of NO contacts for auxiliary contacts	
• instantaneous contact	3

• leading contact	0
Operating current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
Operating current	
• 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
Operating current	
• 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

Mounting type	snap-on mounting
Width	45 mm
Height	24 mm
Depth	25 mm

Connections/Terminals

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

Safety related data

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

General Product Approval				Test Certificates	Shipping Approval
 CCC	 CSA	 UL		spezielle Prüfbescheinigungen n	 DNV

Shipping Approval	other
 PRS	 RINA
	Bestätigungen

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=3TX4431-2A>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TX4431-2A>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TX4431-2A>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TX4431-2A&lang=en

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