

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



General technical data:

product brand name		SIRIUS
Acceptability for application		Contactor relay and power contactor
Protection class IP / on the front		IP20
Ambient temperature		
• during storage	°C	-55 ... +80
• during operating	°C	-25 ... +55
Mechanical operating cycles as operating time		
• typical		10,000,000
Insulation voltage / with degree of pollution 3		
• rated value	V	690
Impulse voltage resistance		
• rated value	kV	6

Auxiliary circuit:

Number of NC contacts / for auxiliary contacts		
• instantaneous switching		1
• lagging switching		0
Number of NO contacts / for auxiliary contacts		
• instantaneous switching		3
• leading switching		0

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

Installation/ mounting/ dimensions:		
Mounting type		snap-on mounting
Width	mm	12
Height	mm	70
Depth	mm	51.5

Connections/ terminals:		
Design of the electrical connection		
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for auxiliary contacts		
• finely stranded		
• with conductor end processing		2x (0.5 ... 1.0 mm²), 2x (0.75 ... 2.5 mm²)
• for AWG conductors / for auxiliary contacts		2x (18 ... 12)

Safety:		
Product function / positively driven operation to IEC 60947-5-1		Yes

Certificates/ approvals:		
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General Product Approval				Test Certificates
 CCC	 CSA		 UL	Special Test Certificate
Shipping Approval				other
 DNV	 GL	 PRS	 RINA	Declaration of Conformity
Further information:				
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs				
Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall				
Cax online generator http://www.siemens.com/cax				
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3TX4431-2A/all				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TX4431-2A				

last change:

Jun 16, 2014