

PRODUCT-DETAILS

# CA4-31NS

## CA4-31NS Auxiliary Contact Block



### General Information

Extended Product Type	CA4-31NS
Product ID	1SBN010145R1231
EAN	3471523130357
Catalog Description	CA4-31NS Auxiliary Contact Block

Long Description	<p>The auxiliary contact blocks are used for the operation of auxiliary circuits and control circuits for standard industrial environments.</p> <p>Types of auxiliary contact blocks for front mounting:</p> <ul style="list-style-type: none"> <li>• CA4 1 or 4-pole block, with instantaneous N.O., N.C. contacts</li> <li>• CC4 1-pole block, with N.O. leading contact or N.C. lagging contact</li> <li>• CAT4 2-pole block, with instantaneous N.O. + N.C. contacts and A1 / A2 coil terminal connection on front face.</li> </ul> <p>Select the 4-pole auxiliary contact blocks CA4-..E, CA4-..M, CA4-..U or CA4-..N type, according to the contactor or contactor relay type for compliance with the standard requirements (see "Terminal marking and positioning").</p> <p>Types of auxiliary contact blocks for side mounting:</p> <ul style="list-style-type: none"> <li>• CAL4 2-pole block, with instantaneous N.O. + N.C. contacts.</li> </ul> <p>For clipping onto the right- and/or left-hand side of the contactors. The auxiliary contact blocks are equipped with screw type connecting terminals delivered open, protected against accidental direct contact and bear the corresponding function marking.</p>
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### Ordering

EAN	3471523130357
Minimum Order Quantity	1 piece
Customs Tariff Number	85389099

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## Dimensions

Product Net Width	43 mm
Product Net Height	45 mm
Product Net Depth / Length	39.5 mm
Product Net Weight	0.06 kg

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## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	46 mm
Package Level 1 Height	46 mm
Package Level 1 Depth / Length	46 mm
Package Level 1 Gross Weight	0.06 kg
Package Level 1 EAN	3471523130357
Package Level 2 Units	box 720 piece
Package Level 2 Gross Weight	43.2 kg
Package Level 3 Units	12960 piece

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## Environmental

RoHS Status	Following EU Directive 2011/65/EU
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## Additional Information

Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 1 ... 2.5 mm <sup>2</sup>
Conventional Free-air Thermal Current (I <sub>th</sub> )	acc. to IEC 60947-5-1, q = 40 °C 16 A
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Maximum Mechanical Switching Frequency	3600 cycles per hour
Medium Description	CA4-.S Auxiliary Contact Block is a separate auxiliary block for standard industrial environments. This product is a front-mounted instantaneous auxiliary contact block. CA4-.S is available in 1 or 4 pole (e.g: CA4-31ES has 3 N.O. and 1 N.C.). The letter S means that the auxiliary contact block is equipped with IP20 spring type connecting terminals. The -M, -N and -E versions offer different markings to match the existing marking on the contactor or the contactor relay it is mounted on (see "Terminal marking and positioning" data in the catalogue).
Mounting Type	Front mounting
Number of Auxiliary Contacts NC	1
Number of Auxiliary	3

Contacts NO	
Order Multiple	1 piece
Product Main Type	Accessories for Block Contactors
Product Name	Auxiliary Contact Block
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
Rated Impulse Withstand Voltage ( $U_{imp}$ )	6 kV
Rated Insulation Voltage ( $U_i$ )	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V
Rated Operational Current AC-15 ( $I_{\theta}$ )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Rated Operational Current DC-13 ( $I_{\theta}$ )	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W (220 V) 0.27 A / 60 W (250 V) 0.27 A / 68 W (400 V) 0.15 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 W
Rated Operational Voltage	Auxiliary Circuit 24 ... 690 V
Rated Short-time Withstand Current ( $I_{ow}$ )	for 0.1 s 140 A for 1 s 100 A
RoHS Date	20171115
Suitable For	NF
Terminal Type	Spring Terminals
Wire Stripping Length	Auxiliary Circuit 10 mm

## Certificates and Declarations (Document Number)

ABS Certificate	ABS_15-GE1349500-PDA_90682247
BV Certificate	BV_2634H24900B0
CB Certificate	CB_SE-93053
CCC Certificate	CCC_2013010304651497
CQC Certificate	CQC2011010304496319 CQC2013010304651497
cUL Certificate	UL_20180227_E252354_3_1
Declaration of Conformity - CCC	2020980304001258 2020980304001259
Declaration of Conformity - CE	1SBD250007U1000
DNV Certificate	DNV-GL_TAE00001BV-3
DNV GL Certificate	DNV-GL_TAE00001BV-3
EAC Certificate	EAC_RU C-FR ME77 B03391
Environmental Information	1SBD250174E1000
GL Certificate	DNV-GL_TAE00001BV-3
Instructions and Manuals	1SBC101032M6801
RINA Certificate	RINA_ELE084013XG
RoHS Information	1SBD250007U1000

UL Certificate

UL\_20091128-E252354-3-1

UL Listing Card

UL\_E252354

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## Classifications

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ETIM 4	EC002498 - Accessories for low-voltage switch technology
ETIM 5	EC002498 - Accessories for low-voltage switch technology
ETIM 6	EC000041 - Auxiliary contact block
ETIM 7	EC000041 - Auxiliary contact block
Object Classification Code	K
UNSPSC	39121500
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.0 : 27371302

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors Accessories

