

PRODUCT-DETAILS

# CA4-31U

## CA4-31U Auxiliary Contact Block



### General Information

Extended Product Type	CA4-31U
Product ID	1SBN010140R1331
EAN	3471523130210
Catalog Description	CA4-31U Auxiliary Contact Block

The auxiliary contact blocks are used for the operation of auxiliary circuits and control circuits for standard industrial environments.

Types of auxiliary contact blocks for front mounting:

- CA4 1 or 4-pole block, with instantaneous N.O., N.C. contacts
- CC4 1-pole block, with N.O. leading contact or N.C. lagging contact
- CAT4 2-pole block, with instantaneous N.O. + N.C. contacts and A1 / A2 coil terminal connection on front face.

Long Description

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").

Types of auxiliary contact blocks for side mounting:

- CAL4 2-pole block, with instantaneous N.O. + N.C. contacts.

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.

### Ordering

E-Number (Sweden)	3211426
EAN	3471523130210
Minimum Order Quantity	1 piece

Customs Tariff Number	85389099
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## Dimensions

Product Net Width	43 mm
Product Net Height	43 mm
Product Net Depth / Length	39.5 mm
Product Net Weight	0.055 kg

## 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	0.055 kg
Package Level 1 EAN	3471523130210
Package Level 2 Units	box 192 piece
Package Level 2 Gross Weight	10.56 kg
Package Level 3 Units	4608 piece

## Environmental

RoHS Status	Following EU Directive 2011/65/EU
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## Technical UL/CSA

Tightening Torque UL/CSA	Auxiliary Circuit 11 IA
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## Additional Information

Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 Flexible with Insulated Ferrule 2x 0.75 ... 1.5 Flexible with Insulated Ferrule 1x 0.75 ... 2.5 Rigid 1/2x 1 ... 2.5 m <sup>2</sup>
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-5-1, q = 40 °C 16 A
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-.. Auxiliary Contact Block is a separate auxiliary block for standard industrial environments. This product is a front-mounted instantaneous auxiliary contact block. CA4 is available in 1 or 4-pole (e.g. CA4-31E has 3 N.O. and 1 N.C.). The auxiliary contact block is equipped with IP20 screw type connecting terminals delivered open. The -M, -N, -E and -U 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).

Mounted Auxiliary Contacts	3 NO, 1 NC
Mounting Type	Front mounting
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
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 UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Rated Operational Current AC-15 ( $I_a$ )	(220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (400 / 440 V) 3 A
Rated Operational Current DC-13 ( $I_a$ )	(125 V) 0.55 A / 69 W (24 V) 6 A / 144 W (250 V) 0.27 A / 68 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (220 V) 0.27 A / 60 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 ( $I_{cw}$ )	for 0.1 s 140 A for 1 s 100 A
RoHS Date	20171115
Suitable For	AF09 AF12 AF16
Terminal Type	Screw Terminals
Tightening Torque	Auxiliary Circuit 1.2 N·m
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-76635M1
CCC Certificate	CCC_2013010304651497
cUL Certificate	UL_20180227_E252354_3_1
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	1SBD250143E1000
GL Certificate	DNV-GL_TAE00001BV-3
GOST Certificate	GOST_POCCFR.ME77.B07175.pdf
Instructions and Manuals	1SBC101041M6801
LR Certificate	LRS_1300087E1
RINA Certificate	RINA_ELE084013XG
RMRS Certificate	RMRS_1802703280
RoHS Information	1SBD250007U1000
UL Certificate	UL_20091128-E252354-3-1
UL Listing Card	UL_E252354

## Classifications

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)

## Categories

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

