

**PRODUCT-DETAILS** 

## CA4-04N CA4-04N Auxiliary Contact Block



(ieneral	Information

 Extended Product Type
 CA4-04N

 Product ID
 1SBN010140R1204

 EAN
 3471523130289

Catalog Description CA4-04N 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) 3211415

EAN 3471523130289

Minimum Order Quantity 1 piece

Customs Tariff Number	85389099
Dimensions	
Product Net Width	43 mm 43 mm
Product Net Height Product Net Depth /	39.5 mm
Length	
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	3471523130289
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
Technical UL/CSA	
Tightening Torque UL/CSA	Auxiliary Circuit 11 IA
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 <sub>th</sub> )	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 r	marking and position	ing" data in the catalogue).

Contacts NC         Number of Auxiliary Contacts NO         0           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         6 kV           Voltage (U <sub>imp</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V           Rated Insulation Voltage         (20 / 240 V) 4 A           AC-15 (I <sub>e</sub> )         (22 / 122 V) 6 A           (S00 V) 2 A         (500 V) 2 A           (B90 V) 2 A         (400 / 440 V) 3 A           Rated Operational Current         (125 V) 0.55 A / 69 W           DC-13 (I <sub>e</sub> )         (22 V) 2 A / 84 W           (48 V) 2.8 A / 134 W         (72 V) 1 A / 72 W           (48 V) 2.8 A / 134 W         (72 V) 1 A / 72 W           (410 V) 0.75 A / 68 W         (220 V) 0.27 A / 68 W           (48 V) 2.8 A / 134 W         (72 V) 1 A / 72 W           (500 V) 0.13 A / 66 W         (500 V) 0.13 A / 66 W           (500 V) 0.15 A / 66 W         (500 V) 0.15 A / 66 W           (500 V) 0.15 A / 66 W         (500 V) 0.15 A / 66 W           (500 V) 0.15 A / 66 W         (500 V) 0.15 A / 66 W           (500 V) 0.15 A / 66 W         (500 V) 0.1		it is mounted on (see Terminal marking and positioning data in the catalogue).
Number of Auxiliary Contacts NC         4           Number of Auxiliary Contacts NC O         0           Contacts NC O         1           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 <sub>imp</sub> )         6 kV           Rated Insulation Voltage (U <sub>imp</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V 2 A (500 V) 2 A (500 V) 2 A (690 V) 2 A (69		0 NO, 4 NC
Contacts NC         Number of Auxiliary         0           Contacts NO         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 <sub>imp</sub> )         6 kV           Rated Insulation Voltage (U <sub>imp</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V A           Rated Operational Current AC-15 (I <sub>e</sub> )         (24 / 127 V) 6 A (590 V) 2 A (690 V) 3 A (690	Mounting Type	Front mounting
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 Insulate Withstand Voltage (U <sub>Imp</sub> )         6 kV           Rated Insulation Voltage (U <sub>I</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V           Rated Operational Current AC-15 (I <sub>e</sub> )         (22 / 240 V) 4 A           AC-15 (I <sub>e</sub> )         (22 / 12 V) 6 A           Beated Operational Current (24 V) 6 A / 144 W         (125 V) 0.55 A / 69 W           Control (E)         (24 V) 6 A / 144 W           Control (E)         (24 V) 6 A / 144 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E)         (25 V) V 0.27 A / 68 W           Control (E) <td< td=""><td></td><td>4</td></td<>		4
Product Main Type         Accessories for Block Contactors           Product Name         Auxiliary Contact Block           Rated Frequency (f)         Auxiliary Circuit 50 / 60 Hz           Rated Impulse Withstand Voltage (U₁)         6 kV           Rated Insulation Voltage         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 699 V           Rated Operational Current AC-15 (Ie)         (220 / 240 V) 4 A (690 V) 2 A (699 V) 2 A (400 / 440 V) 3 A (690 V) 2 A (400 / 440 V) 3 A (400 V) 0.27 A (68 W (250 V) 0.27 A (68 W (250 V) 0.27 A (68 W (200 V) 0.15 A / 69 W (200 V) 0.15 A / 69 W (200 V) 0.15 A / 69 W (200 V) 0.15 A / 60 W (200 V) 0.13 A / 65 W (200	•	0
Product Name         Auxiliary Contact Block           Rated Frequency (f)         Auxiliary Circuit 50 / 60 Hz           Rated Impulse Withstand         6 kV           Voltage (U <sub>imp</sub> )         acc. to UL/CSA 600 V           Rated Insulation Voltage         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V           Rated Operational Current         (220 / 240 V) 4 A           A C-15 (I <sub>e</sub> )         (24 / 127 V) 6 A           (500 V) 2 A         (690 V) 2 A           (690 V) 2 A         (690 V) 2 A	Order Multiple	1 piece
Rated Frequency (f)         Auxiliary Circuit 50 / 60 Hz           Rated Impulse Withstand Voltage (U <sub>imp</sub> )         6 kV           Rated Insulation Voltage (U <sub>i</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 699 V           Rated Operational Current AC-15 (I <sub>e</sub> )         (220 / 240 V) 4 A           AC-15 (I <sub>e</sub> )         (220 / 240 V) 4 A           (600 V) 2 A (690 V) 2 A (690 V) 2 A (690 V) 2 A         (240 / 127 V) 6 A (690 V) 2 A (690 V)	Product Main Type	Accessories for Block Contactors
Rated Impulse Withstand Voltage (U <sub>Imp</sub> )         6 kV           Rated Insulation Voltage (U <sub>I</sub> )         acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 699 V           Rated Operational Current AC-15 (I <sub>e</sub> )         (220 / 240 V) 4 A (24 / 127 V) 6 A (690 V) 2	Product Name	Auxiliary Contact Block
Voltage (U <sub>imp</sub> )         Rated Insulation Voltage         acc. to UL/CSA 600 V (U <sub>1</sub> )         acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V           Rated Operational Current         (220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (500 V) 2 A (690 V) 2 A (690 V) 2 A (400 / 440 V) 3 A           Rated Operational Current DC-13 (I <sub>e</sub> )         (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 (220 V) 0.27 A / 60 W (220 V) 0.27 A / 60 W (200 V) 0.13 A / 65 W (500 V) 0.13 A / 65 W (600 V) 0.13 A / 65 W (600 V) 0.14 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.14 A / 60 W (500 V) 0.15 A / 60 W (500	Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
CU   CO   CO   CO   CO   CO   CO   CO		6 kV
AC-15 (l <sub>e</sub> )  AC-15 (l <sub>e</sub> )  (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (690 V) 2 A (400 / 440 V) 3 A  Rated Operational Current  DC-13 (l <sub>e</sub> )  (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 (220 V) 0.27 A / 60 W (200 V) 0.13 A / 65 W (500 V) 0.13 A / 65 W (600 V) 0.14 A / 60 W  Rated Operational Voltage  Rated Operational Voltage  Rated Short-time for 0.1 s 140 A Withstand Current (l <sub>cw</sub> )  Roths Date  20171115  Suitable For  NF  Terminal Type  Screw Terminals  Tightening Torque  Auxiliary Circuit 1.2 N·m	<u> </u>	
Rated Operational Current   (125 V) 0.55 A / 69 W     DC-13 (Ie)   (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     (220 V) 0.27 A / 60 W     (200 V) 0.13 A / 65 W     (600 V) 0.13 A / 65 W     (600 V) 0.1 A / 60 W     Rated Operational Voltage   Auxiliary Circuit 24 690 V     Rated Short-time   for 0.1 s 140 A     Withstand Current (IcW)   for 1 s 100 A     RoHS Date   20171115     Suitable For   NF     Terminal Type   Screw Terminals     Tightening Torque   Auxiliary Circuit 1.2 N·m		(24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A
Rated Short-time for 0.1 s 140 A Withstand Current (I <sub>cw</sub> ) for 1 s 100 A  RoHS Date 20171115  Suitable For NF  Terminal Type Screw Terminals  Tightening Torque Auxiliary Circuit 1.2 N·m	•	(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
Withstand Current (I <sub>cw</sub> ) for 1 s 100 A  RoHS Date 20171115  Suitable For NF  Terminal Type Screw Terminals  Tightening Torque Auxiliary Circuit 1.2 N·m	Rated Operational Voltage	Auxiliary Circuit 24 690 V
Suitable For NF Terminal Type Screw Terminals Tightening Torque Auxiliary Circuit 1.2 N·m		for 0.1 s 140 A for 1 s 100 A
Terminal Type Screw Terminals Tightening Torque Auxiliary Circuit 1.2 N·m	RoHS Date	20171115
Tightening Torque  Auxiliary Circuit 1.2 N·m	Suitable For	NF
	Terminal Type	Screw Terminals
Wire Stripping Length  Auxiliary Circuit 10 mm	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.B07174.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	К
UNSPSC	39121500
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Categories

 $\text{Low Voltage Products and Systems} \rightarrow \text{Control Products} \rightarrow \text{Contactors} \rightarrow \text{Block Contactors Accessories}$ 

