



Representative Image

**Alternate Catalog No. CA4-31N**  
**Catalog No. 1SBN010140R1231**

**Description: CA4-31N Auxiliary Contact Block**

**UPC No 3471523130258**

**Home > Contactors > UL Listed IEC Contactors > AF Contactors**

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. 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.

**Descriptors**

Category	AF Contactors
Block Contactor Type	Aux Contact

**Specifications**

Product Type	AF
Object Classification Code	K
Terminal Type	Screw Terminals
Number of Auxiliary Contacts NO	3
RoHS Status	Following EU Directive 2011/65/EU
Rated Operational Voltage	Auxiliary Circuit 24 ... 690 V
Number of Auxiliary Contacts NC	1
Tightening Torque UL/CSA	Auxiliary Circuit 11 IA
Conventional Free-air Thermal Current	acc. to IEC 60947-5-1, q = 40 °C 16 A
Rated Operational Current AC-15	(220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (400 / 440 V) 3 A
Rated Frequency	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz
Rated Short-time Withstand Current	for 0.1 s A for 1 s A
Maximum Electrical Switching Frequency	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Insulation Voltage	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Maximum Mechanical Switching Frequency	3600 cycles per hour
Secondary Rated Impulse Withstand Voltage	6 kV

## Specifications

Rated Operational Current DC-13	(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
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 m <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5/2x 0.75 ... 1.5 m <sup>2</sup> Rigid 1/2x 1 ... 2.5 m <sup>2</sup>
Wire Stripping Length	Auxiliary Circuit 10 mm

## Classifications

ETIM 4	EC002498 - Accessories for low-voltage switch technology
ETIM 6.0	EC000041 - Auxiliary contact block
ETIM 7	EC000041 - Auxiliary contact block
ETIM 5.0	EC002498 - Accessories for low-voltage switch technology

## Dimensions

Product Net Weight	0.055 kg
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## Package Information

Package Level 1 Width	46 mm
Package Level 1 Depth / Length	46 mm
Package Level 1 EAN	3471523130258
Package Level 1 Units	box 1 piece
Package Level 2 Units	192 piece
Package Level 3 Units	4608 piece
Package Level 2 Gross Weight	10.56 kg

## Ordering

Minimum Order Quantity	1
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