

Alternate Catalog No. CA4-31NK Catalog No. 1SBN010146R1231

Description: CA4-31NK Auxiliary Contact Block

UPC No 3471523131354

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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..K 1 or 4-pole block, with instantaneous N.O., N.C. contacts Select the 4-pole auxiliary contact blocks CA4-..EK, CA4-..MK or CA4-..NK 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..K 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 push-in spring terminals protected against accidental direct contact and bear the corresponding function marking.



Representative Image

Descriptors

Category	AF Contactors
Block Contactor Type	Aux Contact

Specifications

Product Type	AF
Object Classification Code	K
Terminal Type	Push-in Spring 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
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 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
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
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20

by ABB

Specifications

Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.5 ... 2.5 m ² Flexible with Insulated Ferrule 1/2x 0.5 ... 1.5 m ² Flexible 1/2x 0.5 ... 2.5 m ² Rigid 1/2x 1 ... 2.5 m ²
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	0.05kg
Product Net Width	43 mm
Product Net Height	45 mm

Package Information

Package Level 1 EAN	3471523131354
Package Level 1 Units	box 1 piece

Ordering

Minimum Order Quantity	1
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