



PRODUCT-DETAILS

CA4-31EK

CA4-31EK Auxiliary Contact Block



General Information	
Extended Product Type	CA4-31EK
Product ID	1SBN010146R1031
EAN	3471523131286
Catalog Description	CA4-31EK Auxiliary Contact Block
Long Description	CA4-31EK is a 4-pole front mounted auxiliary contact block equipped with Push-In Spring terminals. CA4-..E version offers terminal assortment matching the marking of 3-pole AF26 (Z)(B)..96-30-00, AF40..96-30-11, AFC26..38-30-00, 4-pole AF09(Z)(B)..80-40-00 / AFC09..38-40-00 or AF09(Z)(B)..80-22-00 / AFC09..38-22-00 contactors. CA4-31EK is available with 3 N.O. and 1 N.C. instantaneous contacts for standard industrial environments. With the Push-in Spring terminals, one push is all you need for a faster than ever installation, an easier than ever wiring and a reliable as ever connection.
Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85389099

Popular Downloads	
Data Sheet, Technical	1SBC100214C0202

Information

Instructions and Manuals	1SBC101054M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	43 mm
Product Net Depth / Length	39.5 mm
Product Net Height	45 mm
Product Net Weight	0.05 kg

Technical

Number of Auxiliary Contacts NO	3
Number of Auxiliary Contacts NC	1
Number of Poles	4P
Standards	IEC/EN 60947-5-1, UL 60947-5-1, CSA C22.2 No. 60947-5-1-14
Rated Operational Voltage	Auxiliary Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Current AC-15 (I _e)	(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 _e)	(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 Short-time Withstand Current Low Voltage (I _{cw})	for 0.1 s 140 A for 1 s 100 A
Rated Insulation Voltage (U _i)	acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Maximum Mechanical Switching Frequency	3600 cycles per hour
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 0.5 ... 1.5 mm ² Flexible 1/2x 0.5 ... 2.5 mm ² Rigid Solid 1/2x 1 ... 2.5 mm ²
Wire Stripping Length	Auxiliary Circuit 10 mm
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Terminal Type	Push-in Spring Terminals
Suitable For	AF09 AF09Z AF16 AF16Z AF26 AF26Z AF30 AF30Z

AF38
AF38Z
AF40
AF52
AF65
AF80
AF96
AFC09
AFC16
AFC26
AFC30
AFC38
AF09B
AF09ZB
AF16B
AF16ZB
AF26B
AF26ZB
AF30B
AF30ZB
AF38B
AF38ZB
AF40B
AF52B
AF65B
AF80B
AF96B

Product Name Auxiliary Contact Block

Technical UL/CSA

Connecting Capacity Rigid Solid 1/2x 18-14 AWG
Auxiliary Circuit UL/CSA

Material Compliance

Conflict Minerals 9AKK108467A5658
Reporting Template (CMRT)
REACH Declaration 2CMT2021-006202
RoHS Information 2CMT2021-006277
RoHS Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
WEEE B2C / B2B Business To Business
WEEE Category 5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

ABS Certificate ABS_20-2060694-PDA
CB Certificate CB_SE-112440
CCC Certificate CCC_2024010305648906
Declaration of Conformity - CCC 2020980304001258
2020980304001259
Declaration of Conformity - CE 1SBD250007U1000
Declaration of Conformity - UKCA 1SBD250038U1000
DNV Certificate DNV_TAE00001BV-5
LR Certificate LRS_LR23403517TA-02
RMRS Certificate RMRS_1802703280
UL Certificate UL-US-L252354-131-82119002-6
UL-CA-L252354-331-82119002-5

Container Information

Package Level 1 Units box 1 piece

Package Level 1 Width	46 mm
Package Level 1 Depth / Length	46 mm
Package Level 1 Height	46 mm
Package Level 1 Gross Weight	0.05 kg
Package Level 1 EAN	3471523131286

Classifications

Object Classification Code	K
ETIM 7	EC000041 - Auxiliary contact block
ETIM 8	EC000041 - Auxiliary contact block
ETIM 9	EC000041 - Auxiliary contact block
eClass	V11.0 : 27371302
UNSPSC	39121522
IDEA Granular Category Code (IGCC)	4743 >> Auxiliary contact block
E-Number (Finland)	3708039
E-Number (Sweden)	3210649

Categories

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

