



Automatización Eléctrica

Especialistas en Automatización

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General Information

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|-------------------------------|--|
| Extended Product Type: | UA16-30-10 230-240V 50Hz / 277V 60Hz |
| Product ID: | 1SBL181022R4210 |
| EAN: | 3471522254429 |
| Catalog Description: | UA16-30-10 230-240V 50Hz / 277V 60Hz Contactor |
| Long Description: | UA16 3-pole contactors for capacitor switching, can be used for the switching of capacitor banks whose inrush current peaks are less than or equal to 100 times nominal rms current. The table below gives the permissible powers according to operational voltage and temperature close to the contactor. It also specifies the maximum peak current \hat{I} values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals ≤ 50 V) before being re-energized when the contactors are making. In these conditions, electrical durability of contactors is equal to 100 000 operating cycles. The UA.. series 3-pole contactors are of the block type design. - Main poles and auxiliary contacts: 3 main poles, 1 built-in auxiliary contact - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available. |

Categories

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

Ordering

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| EAN: | 3471522254429 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85369085 |

Dimensions

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| Product Net Width: | 44 mm |
| Product Net Depth: | 74 mm |
| Product Net Height: | 74 mm |
| Product Net Weight: | 0.340 kg |

Container Information

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| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 78 mm |
| Package Level 1 Length: | 76 mm |
| Package Level 1 Height: | 47 mm |
| Package Level 1 Gross Weight: | 0.34 kg |
| Package Level 1 EAN: | 3471522254429 |
| Package Level 2 Units: | 63 piece |
| Package Level 3 Units: | 1220 piece |

Technical

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|---|---|
| Number of Main Contacts NO: | 3 |
| Number of Main Contacts NC: | 0 |
| Number of Auxiliary Contacts NO: | 1 |
| Number of Auxiliary Contacts NC: | 0 |
| Rated Operational Voltage: | Main Circuit 690 V |
| Rated Frequency (f): | Supply Circuit 50 Hz Supply Circuit 60 Hz |
| Conventional Free-air Thermal Current (I_{th}): | acc. to IEC 60947-5-1, $q = 40$ °C 16 A |
| Rated Operational Current AC-15 (I_e): | (220 / 240 V) 4 A (24 / 127 V) 6 A (380 / 440 V) 3 A (500 V) 2 A (690 V) 2 A |
| Short-Circuit Protective Devices: | Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 1.5 ... 1.8 A |
| Rated Short-time Withstand Current (I_{cw}): | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 140 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 30 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 60 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 80 A for 0.1 s 140 A for 1 s 100 A |
| Maximum Breaking Capacity: | cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 90 A |

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| Rated Operational Current DC-13 (I_e): | (125 V) 1.1 / 138 A (24 V) 6 / 144 A (250 V) 0.55 / 138 A (48 V) 2.8 / 134 A (72 V) 2 / 144 A |
| Rated Insulation Voltage (U_i): | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V |
| Rated Impulse Withstand Voltage (U_{imp}): | 8 kV |
| Maximum Mechanical Switching Frequency: | 3600 cycles per hour |
| Coil Operating Limits: | (acc. to IEC 60947-4-1) 0.85 ... 1.1 x U _c (at θ ≤ 55 °C) °C |
| Rated Control Circuit Voltage (U_c): | 50 Hz 230 ... 240 V 60 Hz 277 V |
| Coil Consumption: | Average Holding Value 50 Hz 8 V·A Average Holding Value 50 Hz 2 W Average Holding Value 60 Hz 8 V·A Average Holding Value 60 Hz 2 W Average Pull-in Value 50 Hz 70 V·A Average Pull-in Value 60 Hz 80 V·A |
| Operate Time: | Between Coil Energization and NO Contact Closing 10 ... 26 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms |
| Connecting Capacity-Main Circuit: | Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ² |
| Connecting Capacity-Auxiliary Circuit: | Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ² |
| Degree of Protection: | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 |
| Connecting terminals (delivered in open position) Main poles: | M 3.5 (+,-) pozidriv 2 screws with cable clamp |
| Terminal Type: | Screw Terminals |

Environmental

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| Ambient Air Temperature: | Near Contactor for Operation in Free Air (0.85 ... 1.1 U _c) -40 ... +55 °C Near Contactor for Operation in Free Air (U _c) -40 ... +70 °C Close to Contactor for Storage -60 ... +80 °C |
| Climatic Withstand: | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II |
| Maximum Operating Altitude Permissible: | 3000 m |
| RoHS Status: | No declaration needed |

Certificates and Declarations (Document Number)

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|--|-------------------------|
| CB Certificate: | CB_FR2880_60002378 |
| CCC Certificate: | CCC_2003010304060097 |
| Declaration of Conformity - CE: | 1SBD250820C2000 |
| EAC Certificate: | EAC_RU C-FR ME77 B01010 |
| GOST Certificate: | GOST_POCCFRME77B07175 |
| RoHS Information: | 1SBC101059D0201 |

Classifications

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| ETIM 5: | EC001079 - Capacitor magnet contactor |
| UNSPSC: | 39121529 |





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