



**Electric Automation**  
Automation specialists

Reference: UA26-30-10  
Code: 1SBL241022R2910

UA26-30-10 120V 50Hz / 140V 60Hz Contactor

[Buy it at Electric Automation Network](#)



UA26 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  $\leq 50$  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.

### Ordering

|                         |               |
|-------------------------|---------------|
| EAN:                    | 3471522069290 |
| Minimum Order Quantity: | 1 piece       |
| Customs Tariff Number:  | 85369085      |

### Dimensions

|                     |          |
|---------------------|----------|
| Product Net Width:  | 54 mm    |
| Product Net Depth:  | 93.6 mm  |
| Product Net Height: | 90 mm    |
| Product Net Weight: | 0.600 kg |

### Container Information

|                        |         |
|------------------------|---------|
| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 101 mm  |

|                               |               |
|-------------------------------|---------------|
| Package Level 1 Length:       | 115 mm        |
| Package Level 1 Height:       | 61 mm         |
| Package Level 1 Gross Weight: | 0.6 kg        |
| Package Level 1 EAN:          | 3471522069290 |
| Package Level 2 Units:        | 63 piece      |
| Package Level 3 Units:        | 576 piece     |

## Technical

|   |  |
|---|--|
| 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<br>Supply Circuit 60 Hz   |
| Conventional Free-air Thermal Current ( $I_{th}$ ): | acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 16 A   |
| Rated Operational Current AC-15 ( $I_e$ ):          | (220 / 240 V) 4 A<br>(24 / 127 V) 6 A<br>(380 / 440 V) 3 A<br>(500 V) 2 A<br>(690 V) 2 A   |
| Short-Circuit Protective Devices:                   | Auxiliary Circuit - gG Type Fuses 10 A<br>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 210 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 45 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 90 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 400 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 110 A<br>for 0.1 s 140 A<br>for 1 s 100 A |
| Maximum Breaking Capacity:                          | cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 440 V 420 A<br>cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 690 V 170 A   |
| Rated Operational Current DC-13 ( $I_e$ ):          | (125 V) 1.1 / 138 A<br>(24 V) 6 / 144 A<br>(250 V) 0.55 / 138 A<br>(48 V) 2.8 / 134 A<br>(72 V) 2 / 144 A  |
| Rated Insulation Voltage ( $U_i$ ):                 | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V<br>acc. to UL/CSA 600 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ):      | 8 kV   |
| Mechanical Durability:                              | 10 million   |

|   |  |
|---|--|
| Maximum Mechanical Switching Frequency:                       | 3600 cycles per hour   |
| Coil Operating Limits:  | (acc. to IEC 60947-4-1)0.85 ... 1.1 x U <sub>c</sub> (at $\theta \leq 55$ °C) °C   |
| Rated Control Circuit Voltage (U <sub>c</sub> ):              | 50 Hz 120 V<br>60 Hz 140 V   |
| Coil Consumption:   | Pull-in at Max. Rated Control Circuit Voltage 50 Hz 120 V·A<br>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 140 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 3 W<br>Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A<br>Holding at Max. Rated Control Circuit Voltage 50 Hz 3 W<br>Average Holding Value 50 Hz 12 V·A<br>Average Holding Value 50 Hz 3 W<br>Average Holding Value 60 Hz 12 V·A<br>Average Holding Value 60 Hz 3 W<br>Average Pull-in Value 50 Hz 120 V·A<br>Average Pull-in Value 60 Hz 140 V·A |
| Operate Time:   | Between Coil Energization and NO Contact Closing 8 ... 21 ms<br>Between Coil De-energization and NO Contact Opening 4 ... 11 ms  |
| Connecting Capacity-Main Circuit:                             | Flexible with Cable End0.75 ... 4 mm <sup>2</sup><br>Rigid Cable1.5 ... 6 mm <sup>2</sup>  |
| Connecting Capacity-Auxiliary Circuit:                        | Flexible with Cable End0.75 ... 2.5 mm <sup>2</sup><br>Rigid Cable1 ... 4 mm <sup>2</sup>  |
| Degree of Protection:   | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20   |
| Connecting terminals (delivered in open position) Main poles: | M 4 (+,-) pozidriv 2 screws with cable clamp   |
| Terminal Type:  | Screw Terminals  |

## Environmental

|   |   |
|---|---|
| Ambient Air Temperature:                | Near Contactor for Operation in Free Air (0.85 ... 1.1 U <sub>c</sub> )<br>-40 ... +55 °C<br>Near Contactor for Operation in Free Air (U <sub>c</sub> ) -40 ... +70 °C<br>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)

|                  |                      |
|------------------|----------------------|
| CB Certificate:  | CB_FR2880_60002378   |
| CCC Certificate: | CCC_2003010304060095 |
| CSA Certificate: | CSA_1033838_LR056745 |

|                                 |                         |
|---------------------------------|-------------------------|
| cUL Certificate:                | UL_071301E39231         |
| Declaration of Conformity - CE: | 1SBD250809C2000         |
| EAC Certificate:                | EAC_RU C-FR ME77 B01010 |
| GOST Certificate:               | GOST_POCCFRME77B07175   |
| RoHS Information:               | 1SBC101059D0201         |
| UL Certificate:                 | UL_071301E39231         |

## Classifications

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