



Automatización Eléctrica

Especialistas en Automatización

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General Information

Extended Product Type:	UA95-30-00RA 380-400V 50Hz
Product ID:	1SFL431024R8500
EAN:	7320500260449
Catalog Description:	UA95-30-00RA 380-400V 50Hz Contactor
Long Description:	A 3-phase Contactor suitable for Capacitor switching application. Maximum permissible peak current 100 times the nominal RMS current. Operated with a control voltage, versions from 24V to 690 V

Categories

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

Ordering

EAN:	7320500260449
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	90.0 mm
Product Net Depth:	155.6 mm
Product Net Height:	170.0 mm
Product Net Weight:	2.000 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	140 mm
Package Level 1 Length:	140 mm
Package Level 1 Height:	170 mm
Package Level 1 Gross Weight:	2 kg
Package Level 1 EAN:	7320500260449

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	0
Number of Auxiliary Contacts NC:	0
Rated Operational Voltage:	Main Circuit 1000 V
Rated Frequency (f):	Main Circuit 50 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 145 A
Rated Operational Current AC-1 (I_e):	(690 V) 55°C 135 A (690 V) 40°C 145 A (690 V) 70°C 115 A
Rated Operational Current AC-3 (I_e):	(1000 V) 55°C 30 A (690 V) 55°C 65 A (415 V) 55°C 96 A (220 / 230 / 240 V) 55°C 96 A (440 V) 55°C 93 A (380 / 400 V) 55°C 96 A (500 V) 55°C 80 A
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x I_e AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x I_e AC-3
Maximum Breaking Capacity:	$\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 1160 A $\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 800 A
Maximum Electrical Switching Frequency:	AC-3 300 cycles per hour AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 8 kV
Mechanical Durability:	10 million
Maximum Mechanical Switching	3600 cycles per hour

Frequency:**Coil Operating Limits:** (acc. to IEC 60947-4-1) 0.85 x U_c Min. ... 1.1 x U_c Max. (at $\theta \leq 70\text{ }^{\circ}\text{C}$) °C**Rated Control Circuit Voltage (U_c):** 60 Hz 400 ... 415 V
50 Hz 380 ... 400 V**Coil Consumption:** Pull-in at Max. Rated Control Circuit Voltage 60 Hz 450 V·A
Holding at Max. Rated Control Circuit Voltage 50 Hz 22 V·A
Pull-in at Max. Rated Control Circuit Voltage 50 Hz 350 V·A
Holding at Max. Rated Control Circuit Voltage 60 Hz 26 V·A**Operate Time:** Between Coil Energization and NO Contact Closing 10 ... 25 ms
Between Coil De-energization and NC Contact Closing 7 ... 15 ms**Connecting Capacity-Main Circuit:** Flexible with Cable End 2x6...35 mm²
Bar 30 mm²
Rigid 2x6...65 mm²**Connecting Capacity-Auxiliary Circuit:** Solid 2x1...4 mm²
Flexible with Insulated Ferrule 2x0.75...2.5 mm²
Stranded 2x1...4 mm²
Flexible 2x0.75...2.5 mm²
Flexible with Ferrule 1x0.75...2.5 mm²**Degree of Protection:** acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10**Connecting terminals (delivered in open position) Main poles:** M8 hexagon socket screw with single connector**Terminal Type:** Cable Clamp**Environmental****Ambient Air Temperature:** Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U_c) -25...+50 °C
Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U_c) -40...+70 °C
Close to Contactor for Storage -60...+80 °C**Maximum Operating Altitude Permissible:** 3000 m**Resistance to Shock acc. to IEC 60068-2-27:** Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: A 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: C2 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: B1 15 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: A 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: B2 15 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: C1 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: B1 5 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: C2 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: C1 20 g**RoHS Status:** Following EU Directive 2002/95/EC August 18, 2005 and amendment**Technical UL/CSA****Maximum Operating Voltage UL/CSA:** Main Circuit 600 V**Certificates and Declarations (Document Number)****CB Certificate:** SE-72476**CCC Certificate:** CQC_2003010304088242**Declaration of Conformity - CE:** 1SFA1-78**RoHS Information:** 1SFC101046D0203**Classifications****ETIM 5:** EC001079 - Capacitor magnet contactor**UNSPSC:** 39121529



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Product	Code	Reference	Product link
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