

# UA95-30-00RA 220-230V 50Hz



Products Low Voltage Products and Systems Control Products Contactors Block Contactors

## General Information

<b>Extended Product Type:</b>	UA95-30-00RA 220-230V 50Hz
<b>Product ID:</b>	1SFL431024R8000
<b>EAN:</b>	7320500260425
<b>Catalog Description:</b>	UA95-30-00RA 220-230V 50Hz Contactor
<b>Long Description:</b>	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

## Additional Information

<b>ABB Industrial IT Suite:</b>	Control IT
<b>Ambient Air Temperature:</b>	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25...+50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40...+70 °C Close to Contactor for Storage -60...+80 °C
<b>Battery Information:</b>	Type NONE
<b>Block Contactor Type:</b>	3-Pole Contactor
<b>CB Certificate:</b>	SE-72476
<b>CCC Certificate:</b>	CQC_2003010304088242
<b>Coil Consumption:</b>	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
<b>Coil Operating Limits:</b>	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at $\theta \leq 70$ °C) °C
<b>Coil Voltage Code:</b>	80
<b>Connecting Capacity:</b>	Flexible with Cable End 1x10...70 mm <sup>2</sup> Bar 30 mm <sup>2</sup> Rigid 2x6...65 mm <sup>2</sup>
<b>Connecting Capacity Auxiliary Circuit:</b>	Solid 2x1...4 mm <sup>2</sup> Flexible with Insulated Ferrule 2x0.75...2.5 mm <sup>2</sup> Stranded 2x1...4 mm <sup>2</sup> Flexible 2x0.75...2.5 mm <sup>2</sup> Flexible with Ferrule 1x0.75...2.5 mm <sup>2</sup>
<b>Connecting Capacity Main Circuit:</b>	Flexible with Cable End 2x6...35 mm <sup>2</sup> Bar 30 mm <sup>2</sup> Rigid 2x6...65 mm <sup>2</sup>
<b>Connecting terminals (delivered in open position):</b>	YES
<b>Connecting terminals (delivered in open position) Coils terminals:</b>	YES
<b>Connecting terminals (delivered in open position) Main poles:</b>	M8 hexagon socket screw with single connector
<b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b>	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 145 A
<b>Country of Origin:</b>	Sweden (SE)
<b>Customs Tariff Number:</b>	85364900
<b>Data Sheet, Technical Information:</b>	1SBC100122C0202
<b>Declaration of Conformity - CE:</b>	1SFA1-78
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
<b>Drop-out Voltage in % of Uc:</b>	40 ... 65 %
<b>EAN:</b>	7320500260425

<b>ETIM 4:</b>	EC001079 - Capacitor magnet contactor
<b>ETIM 5:</b>	EC001079 - Capacitor magnet contactor
<b>ETIM 6:</b>	EC001079 - Capacitor contactor
<b>Environmental Information:</b>	1SFC101001D0201
<b>IIT Publishing Status:</b>	Level 0 - Information enabled
<b>Industrial IT Certification Level:</b>	0
<b>Instructions and Manuals:</b>	5309660-60
<b>Invoice Description:</b>	UA95-30-00RA 220-230V 50Hz Contactor
<b>Made To Order:</b>	Yes
<b>Maximum Breaking Capacity:</b>	cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 690 V 800 A
<b>Maximum Electrical Switching Frequency:</b>	AC-3 300 cycles per hour AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>Maximum Operating Voltage UL/CSA:</b>	Main Circuit 600 V
<b>Maximum Peak Current:</b>	U <sub>e</sub> = 500 V For Capacitor Switching Î No limit kA
<b>Maximum Î<sub>peak</sub> Permissible:</b>	NoLimit
<b>Mechanical Durability:</b>	10 million
<b>Minimum Order Quantity:</b>	1 piece
<b>Mounted Auxiliary Contacts:</b>	0 NO, 0 NC
<b>Number of Auxiliary Contacts NC:</b>	0
<b>Number of Auxiliary Contacts NO:</b>	0
<b>Number of Main Contacts NC:</b>	0
<b>Number of Main Contacts NO:</b>	3
<b>Number of Poles:</b>	3
<b>Object Classification Code:</b>	Q
<b>Operate Time:</b>	Between Coil Energization and NO Contact Closing 10 ... 25 ms Between Coil De-energization and NC Contact Closing 7 ... 15 ms
<b>Order Multiple:</b>	1 piece
<b>Package Level 1 EAN:</b>	7320500260425
<b>Package Level 1 Gross Weight:</b>	2 kg
<b>Package Level 1 Height:</b>	170 mm
<b>Package Level 1 Length:</b>	140 mm
<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	140 mm
<b>Part Type:</b>	New
<b>Power Loss:</b>	at Rated Operating Conditions per Pole 7.5 W
<b>Product Main Type:</b>	UA95
<b>Product Name:</b>	Contactor
<b>Product Net Depth:</b>	155.6 mm
<b>Product Net Height:</b>	170.0 mm
<b>Product Net Weight:</b>	2.000 kg
<b>Product Net Width:</b>	90.0 mm
<b>Product Packing Type:</b>	Box
<b>Quote Only:</b>	No
<b>Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:</b>	8 x I <sub>e</sub> AC-3

<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	60 Hz 230 ... 240 V 50 Hz 220 ... 230 V
<b>Rated Frequency (f):</b>	Main Circuit 50 Hz
<b>Rated Frequency Limits:</b>	25...400 Hz
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	Main Circuit 8 kV
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
<b>Rated Making Capacity AC-3 acc. to IEC 60947-4-1:</b>	10 x I <sub>e</sub> AC-3
<b>Rated Operational Current AC-1 (I<sub>e</sub>):</b>	(690 V) 55 °C 135 A (690 V) 40 °C 145 A (690 V) 70 °C 115 A
<b>Rated Operational Current AC-3 (I<sub>e</sub>):</b>	(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
<b>Rated Operational Power AC-6b (P<sub>e</sub>):</b>	(400 / 415 V) 55 °C, 50 / 60 Hz 60 kvar (230 / 240 V) 40 °C, 50 / 60 Hz 40 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 70 kvar (690 V) 70 °C, 50 / 60 Hz 85 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 35 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 30 kvar (690 V) 40 °C, 50 / 60 Hz 120 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 85 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 70 kvar (690 V) 55 °C, 50 / 60 Hz 105 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 53 kvar (440 V) 55 °C, 50 / 60 Hz 65 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 75 kvar (440 V) 70 °C, 50 / 60 Hz 58 kvar (440 V) 40 °C, 50 / 60 Hz 75 kvar
<b>Rated Operational Voltage:</b>	Main Circuit 1000 V
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	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 10 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, Closed, Shock Direction: C2 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: C1 20 g
<b>RoHS Date:</b>	0626 6
<b>RoHS Information:</b>	1SFC101046D0203
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment
<b>Selling Unit of Measure:</b>	piece
<b>Short Description:</b>	UA95-30-00RA 220-230V 50Hz Contactor
<b>Technical Information:</b>	Mechanically
<b>Terminal Type:</b>	Cable Clamp
<b>Tightening Torque:</b>	Main Circuit 8 N·m
<b>UNSPSC:</b>	39121529