

## General Information

Extended Product Type:	A260-30-11 220-230V 50Hz / 230-240V 60Hz
Product ID:	1SFL531001R8011
EAN:	7320500203347
Catalog Description:	A260-30-11 220-230V 50Hz / 230-240V 60Hz Contactor
Long Description:	A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, Bypass and Distribution application up to max 690 V. Operated with control voltage, versions from 24....690 AC, 50 and 60 Hz

## Categories

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

## Ordering

EAN:	7320500203347
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

## Dimensions

Product Net Width:	140.0 mm
Product Net Depth:	180.5 mm
Product Net Height:	227.0 mm
Product Net Weight:	5.750 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	200 mm
Package Level 1 Length:	220 mm
Package Level 1 Height:	280 mm
Package Level 1 Gross Weight:	5.75 kg
Package Level 1 EAN:	7320500203347

## Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Auxiliary Contacts NC:	1
Rated Operational Voltage:	Main Circuit 690 V
Rated Frequency (f):	Main Circuit 50/60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ ):	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 400 A
Rated Operational Current AC-1 ( $I_e$ ):	(690 V) $55^\circ\text{C}$ 350 A (690 V) $40^\circ\text{C}$ 400 A (690 V) $70^\circ\text{C}$ 290 A
Rated Operational Current AC-3 ( $I_e$ ):	(220 / 230 / 240 V) $55^\circ\text{C}$ 260 A (690 V) $55^\circ\text{C}$ 220 A (415 V) $55^\circ\text{C}$ 260 A (440 V) $55^\circ\text{C}$ 240 A (380 / 400 V) $55^\circ\text{C}$ 260 A (500 V) $55^\circ\text{C}$ 240 A
Rated Operational Power AC-3 ( $P_e$ ):	(500 V) 180 kW (690 V) 200 kW (220 / 230 / 240 V) 80 kW (380 / 400 V) 140 kW (440 V) 140 kW (415 V) 140 kW
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
Short-Circuit Protective Devices:	gG Type Fuses 500 A
Rated Short-time Withstand Current ( $I_{cw}$ ):	at $40^\circ\text{C}$ Ambient Temp, in Free Air, from a Cold State 15 min 500 A at $40^\circ\text{C}$ Ambient Temp, in Free Air, from a Cold State 30 s 1500 A at $40^\circ\text{C}$ Ambient Temp, in Free Air, from a Cold State 10 s 2400 A at $40^\circ\text{C}$ Ambient Temp, in Free Air, from a Cold State 1 s 3500 A at $40^\circ\text{C}$ Ambient Temp, in Free Air, from a Cold State 1 min 1100 A

<b>Maximum Breaking Capacity:</b>	cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 440 V 2600 A cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 690 V 2400 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>Rated Operational Current DC-1 (I<sub>e</sub>):</b>	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
<b>Rated Operational Current DC-3 (I<sub>e</sub>):</b>	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
<b>Rated Operational Current DC-5 (I<sub>e</sub>):</b>	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
<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 Impulse Withstand Voltage (U<sub>imp</sub>):</b>	Main Circuit 8 kV
<b>Mechanical Durability:</b>	5 million
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Coil Operating Limits:</b>	(acc. to IEC 60947-4-1) 0.85 x U <sub>c</sub> Min. ... 1.1 x U <sub>c</sub> Max. (at θ ≤ 70 °C) °C
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	60 Hz 230 ... 240 V 50 Hz 220 ... 230 V
<b>Coil Consumption:</b>	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1550 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 60 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1350 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 65 V·A
<b>Operate Time:</b>	Between Coil Energization and NO Contact Closing 17 ... 35 ms Between Coil De-energization and NO Contact Opening 10 ... 16 ms Between Coil De-energization and NC Contact Closing 7 ... 13 ms Between Coil Energization and NC Contact Opening 12 ... 30 ms
<b>Connecting Capacity Main Circuit:</b>	Rigid Al-Cable 2x95...120 mm <sup>2</sup> Bar 32 mm Rigid Cu-Cable 16...240 mm <sup>2</sup>
<b>Connecting Capacity Auxiliary Circuit:</b>	Solid 2x1...4 mm <sup>2</sup> Flexible with Insulated Ferrule 1x0.75...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 2x0.75...2.5 mm <sup>2</sup>
<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 IP00
<b>Connecting terminals (delivered in open position) Main poles:</b>	Flat type c/w screws and bolts
<b>Terminal Type:</b>	Main Circuit: Bars

## Environmental

<b>Ambient Air Temperature:</b>	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -25...+50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40...+70 °C Close to Contactor for Storage -40...+70 °C
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	Shock Direction: A 5 g Shock Direction: C2 5 g Shock Direction: B2 5 g Shock Direction: C1 5 g Shock Direction: B1 5 g
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	Main Circuit 600 V
<b>General Use Rating UL/CSA:</b>	(600 V AC) 350 A
<b>Horsepower Rating UL/CSA:</b>	(208 V AC) Three Phase 75 Hp (440 ... 480 V AC) Three Phase 200 Hp (550 ... 600 V AC) Three Phase 250 Hp (220 ... 240 V AC) Three Phase 100 Hp (200 V AC) Three Phase 75 Hp

## Certificates and Declarations (Document Number)

<b>BV Certificate:</b>	09826/C0 BV
<b>CCC Certificate:</b>	CQC_2008010304279325
<b>Data Sheet, Technical Information:</b>	1SBC100122C0202
<b>Declaration of Conformity - CE:</b>	1SFA1-45
<b>DNV Certificate:</b>	DNV_E-12191

<b>GL Certificate:</b>	GL_15529-00HH
<b>LOVAG Certificate:</b>	IT99056
<b>LR Certificate:</b>	LR_12-70003
<b>RINA Certificate:</b>	ELE060313XG/001
<b>RMRS Certificate:</b>	RMRS_12-03683-315
<b>RoHS Information:</b>	1SFC101046D0203
<b>Instructions and Manuals:</b>	1SFC380003-89

**Classifications**

<b>Object Classification Code:</b>	Q
<b>E-nummer:</b>	3227884
<b>ETIM 4:</b>	EC000066 - Magnet contactor, AC-switching
<b>ETIM 5:</b>	EC000066 - Magnet contactor, AC-switching
<b>ETIM 6:</b>	EC000066 - Power contactor, AC switching
<b>UNSPSC:</b>	39121529

