

General Information

Extended Product Type:	A300-30-11 220-230V 50Hz / 230-240V 60Hz
Product ID:	1SFL551001R8011
EAN:	7320500203361
Catalog Description:	A300-30-11 220-230V 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

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900
Replacement Product ID (NEW):	1SFL587002R1311

Popular Downloads

Data Sheet, Technical Information:	1SBC100122C0202
Instructions and Manuals:	1SFC380003-89
Dimension Diagram:	&#160;53540930-2

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

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 °C 500 A
Rated Operational Current AC-1 (I_e):	(690 V) 55 °C 400 A (690 V) 40 °C 500 A (690 V) 70 °C 325 A
Rated Operational Current AC-3 (I_e):	(690 V) 55 °C 280 A (415 V) 55 °C 300 A (220 / 230 / 240 V) 55 °C 305 A (440 V) 55 °C 280 A (380 / 400 V) 55 °C 305 A (500 V) 55 °C 280 A
Rated Operational Power AC-3 (P_e):	(500 V) 200 kW (690 V) 250 kW (220 / 230 / 240 V) 90 kW (380 / 400 V) 160 kW (440 V) 160 kW (415 V) 160 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 °C Ambient Temp, in Free Air, from a Cold State 30 s 1500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1100 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 3000 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 2500 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 Operational Current DC-1 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Rated Operational Current DC-3 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Rated Operational Current DC-5 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
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:	5 million
Maximum Mechanical Switching Frequency:	3600 cycles per hour
Coil Operating Limits:	(acc. to IEC 60947-4-1) 0.85 x U _c Min. ... 1.1 x U _c Max. (at $\theta \leq 70$ °C) °C
Rated Control Circuit Voltage (U_c):	60 Hz 230 ... 240 V 50 Hz 220 ... 230 V
Coil Consumption:	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
Operate Time:	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
Connecting Capacity Main Circuit:	Rigid Al-Cable 2x95...120 mm² Bar 32 mm Rigid Cu-Cable 16...240 mm²
Connecting Capacity Auxiliary Circuit:	Solid 2x1...4 mm² Flexible with Insulated Ferrule 1x0.75...2.5 mm² Stranded 2x1...4 mm² Flexible 2x0.75...2.5 mm² Flexible with Ferrule 2x0.75...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 IP00
Connecting terminals (delivered in open position) Main poles:	Flat type c/w screws and bolts
Terminal Type:	Main Circuit: Bars

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 -40...+70 °C
Maximum Operating Altitude Permissible:	3000 m
Resistance to Shock acc. to IEC 60068-2-27:	Shock Direction: A 5 g Shock Direction: C2 5 g Shock Direction: C1 5 g Shock Direction: B2 5 g Shock Direction: B1 5 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
General Use Rating UL/CSA:	(600 V AC) 400 A
Horsepower Rating UL/CSA:	(208 V AC) Three Phase 100 Hp (440 ... 480 V AC) Three Phase 250 Hp (550 ... 600 V AC) Three Phase 300 Hp (220 ... 240 V AC) Three Phase 100 Hp (200 V AC) Three Phase 100 Hp

Certificates and Declarations (Document Number)

BV Certificate:	09826/C0 BV
CCC Certificate:	CQC_2008010304279325
CSA Certificate:	306708
Declaration of Conformity - CE:	1SFA1-45
DNV Certificate:	DNV_E-12191
GL Certificate:	GL_15529-00HH
LOVAG Certificate:	SE9837128
LR Certificate:	LR_12-70003

RINA Certificate:	ELE060313XG/001
RMRS Certificate:	RMRS_12-03683-315
RoHS Information:	1SFC101046D0203

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:	7320500203361

Classifications

Object Classification Code:	Q
E-number:	3227894
ETIM 4:	EC000066 - Magnet contactor, AC-switching
ETIM 5:	EC000066 - Magnet contactor, AC-switching
ETIM 6:	EC000066 - Power contactor, AC switching
UNSPSC:	39121529

