



PRODUCT-DETAILS

A300-30-11-84

A300-30-11 110V 50Hz / 110-120V 60Hz
Contactor

"No longer for sale" replaced by



General Information	
Extended Product Type	A300-30-11-84
Product ID	1SFL551001R8411
EAN	7320500203378
Catalog Description	A300-30-11 110V 50Hz / 110-120V 60Hz Contactor
Long Description	A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, By-pass and Distribution application up to max 690 V. Operated with control voltage, versions from 24....690 AC, 50 and 60 Hz

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

Popular Downloads	
Data Sheet, Technical	1SBC100192C0206

Information

Instructions and Manuals	1SFC380003-89
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Dimensions

Product Net Width	140 mm
Product Net Depth / Length	180.5 mm
Product Net Height	227 mm
Product Net Weight	5.4 kg
Dimension Diagram	53540930-2

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
Number of Poles	3P
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 $\Theta = 40\text{ °C}$ 500 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 500 A (690 V) 55 °C 400 A (690 V) 70 °C 325 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 300 A (440 V) 55 °C 280 A (500 V) 55 °C 280 A (690 V) 55 °C 280 A (380 / 400 V) 55 °C 305 A (220 / 230 / 240 V) 55 °C 305
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 Operational Power AC-3 (P_e)	(415 V) 160 kW (440 V) 160 kW (500 V) 200 kW (690 V) 250 kW (380 / 400 V) 160 kW (220 / 230 / 240 V) 90 kW
Rated Breaking Capacity AC-3	8 x I_e AC-3
Rated Making Capacity AC-3	10 x I_e AC-3
Short-Circuit Protective Devices	gG Type Fuses 500 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	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 min 1100 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 30 s 1500 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
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U _{imp})	Main Circuit 8 kV
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour
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 θ ≤ 70 °C)
Rated Control Circuit Voltage (U _c)	50 Hz 110 V 60 Hz 110 ... 120 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 60 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 65 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1350 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1550 V-A
Power Loss	at Rated Operating Conditions per Pole 18 W
Operate Time	Between Coil De-energization and NC Contact Closing 7 ... 13 ms Between Coil De-energization and NO Contact Opening 10 ... 16 ms Between Coil Energization and NC Contact Opening 12 ... 30 ms Between Coil Energization and NO Contact Closing 17 ... 35 ms
Connecting Capacity Main Circuit	Bar 32 mm ² Rigid Al-Cable 2 x 95 ... 120 mm ² Rigid Cu-Cable 16 ... 240 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 2 x 1 ... 4 mm ²
Connecting Capacity	Bar 32 mm ² Rigid Al-Cable 2 x 95 ... 120 mm ² Rigid Cu-Cable 16 ... 240 mm ²
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
Tightening Torque	Main Circuit 28 N·m
Terminal Type	Main Circuit: Bars
Product Name	Block Contactor

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	(200 V AC) Three Phase 100 hp (208 V AC) Three Phase 100 hp (220 ... 240 V AC) Three Phase 100 hp (440 ... 480 V AC) Three Phase 250 hp (550 ... 600 V AC) Three Phase 300 hp
Full Load Amps Motor Use	(440 ... 480 V AC) Three Phase 302 A (550 ... 600 V AC) Three Phase 289 A

Environmental

Ambient Air Temperature	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 -40 ... 70 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 5 g Shock Direction: B1 5 g Shock Direction: B2 5 g Shock Direction: C1 5 g Shock Direction: C2 5 g

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Declaration	2CMT2021-006277
RoHS Information	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

BV Certificate	09826/C0 BV
CQC Certificate	CQC2008010304279325
CSA Certificate	306708
Declaration of Conformity - CCC	2020980304001552
Declaration of Conformity - CE	2CMT2015-005436
Declaration of Conformity - UKCA	2CMT2020-006118
DNV Certificate	DNV_E-12191
GL Certificate	GL_15529-00HH
LOVAG Certificate	SE-0003005
LR Certificate	LR_12-70003
RINA Certificate	ELE060313XG/001
RMRS Certificate	RMRS_12-03683-315

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	203 mm
Package Level 1 Depth / Length	245 mm
Package Level 1 Height	188 mm
Package Level 1 Gross Weight	6.1 kg
Package Level 1 EAN	7320500203378

External Classifications and Standards		
Object Classification Code		Q
ETIM 7	EC000066 - Power contactor, AC switching	
ETIM 8	EC000066 - Power contactor, AC switching	
ETIM 9	EC000066 - Power contactor, AC switching	
eClass		V11.0 : 27371003
UNSPSC		39121529
IDEA Granular Category Code (IGCC)		4755 >> Contactors
E-Number (Norway)		4115254
E-Number (Sweden)		3227893

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → A Contactors

