



PRODUCT-DETAILS

A210-30-11-27

A210-30-11 110V 50Hz / 115V 60Hz Contactor



General Information

Extended Product Type:	A210-30-11-27
Product ID:	1SFL511001R2711
EAN:	7320500211632
Catalog Description:	A210-30-11 110V 50Hz / 115V 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
Display Name:	A210-30-11-27

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900
Replacement Product ID (NEW):	1SFL527002R1311

Popular Downloads

Data Sheet, Technical Information:	1SBC100192C0206
Instructions and Manuals:	1SFC380003-89

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 $\Theta = 40\text{ °C}$ 350 A):	
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 350 A (690 V) 55 °C 300 A (690 V) 70 °C 240 A
Rated Operational Current AC-3 (I_e):	(415 V) 55 °C 210 A (440 V) 55 °C 210 A (500 V) 55 °C 210 A (690 V) 55 °C 210 A (380 / 400 V) 55 °C 210 A (220 / 230 / 240 V) 55 °C 210
Rated Operational Current DC-1 (I_e):	(110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A
Rated Operational Current DC-3 (I_e):	(110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A
Rated Operational Current DC-5 (I_e):	(110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A
Rated Operational Power AC-3 (P_e):	(415 V) 110 kW (440 V) 110 kW (500 V) 132 kW (690 V) 160 kW (380 / 400 V) 110 kW (220 / 230 / 240 V) 59 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 400 A

Rated Short-time Withstand Current Low Voltage (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1200 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 2200 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 2000 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 $\theta \leq 70$ °C)
Rated Control Circuit Voltage (U_c):	50 Hz 110 V 60 Hz 115 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 9 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 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Flexible 1x0.75 ... 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 18 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) 300 A

Horsepower Rating UL/CSA:	(200 V AC) Three Phase 60 hp (208 V AC) Three Phase 60 hp (220 ... 240 V AC) Three Phase 75 hp (440 ... 480 V AC) Three Phase 150 hp (550 ... 600 V AC) Three Phase 200 hp
Full Load Amps Motor Use:	(440 ... 480 V AC) Three Phase 180 A (550 ... 600 V AC) Three Phase 192 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
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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
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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
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:	IT00051
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:	7320500211632

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

Categories

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

