

PRODUCT-DETAILS

A210-30-11-84

A210-30-11 110V 50Hz / 110-120V 60Hz

Contactor



General Information

Extended Product Type	A210-30-11-84
Product ID	1SFL511001R8411
EAN	7320500203330
Catalog Description	A210-30-11 110V 50Hz / 110-120V 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

Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4755 >> Contactors
E-Number (Norway)	4115174
E-Number (Sweden)	3227873

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	7320500203330

Certificates and Declarations (Document Number)

BV Certificate	09826/C0 BV
CCC Certificate	CQC_2008010304279325
Declaration of Conformity - CE	2CMT2015-005436
DNV Certificate	DNV_E-12191
Environmental Information	1SFC101003D0201
GL Certificate	GL_15529-00HH
Instructions and Manuals	1SFC380003-89
LOVAG Certificate	IT99029
LR Certificate	LR_12-70003
RINA Certificate	ELE060313XG/001
RMRS Certificate	RMRS_12-03683-315
RoHS Information	2CMT2015-005436

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

Environmental

Ambient Air Temperature	Close to Contactor for Storage -40 ... +70 °C 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
Maximum Operating Altitude Permissible	3000 m
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 5 K40 Shock Direction: B1 5 K40 Shock Direction: B2 5 K40 Shock Direction: C1 5 K40 Shock Direction: C2 5 K40
RoHS Status	Following EU Directive 2011/65/EU

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 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)	(220 / 230 / 240 V) 55 °C 210 A (380 / 400 V) 55 °C 210 A (415 V) 55 °C 210 A (440 V) 55 °C 210 A (500 V) 55 °C 210 A (690 V) 55 °C 210 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 59 kW (380 / 400 V) 110 kW (415 V) 110 kW (440 V) 110 kW (500 V) 132 kW (690 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 400 A
Rated Short-time Withstand Current (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
Maximum Electrical Switching Frequency	AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 300 cycles per hour
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 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 $\theta \leq 70\text{ }^{\circ}\text{C}$)
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
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 Rigid Al-Cable 120 ... 240 m² Rigid Cu-Cable 16 ... 240 m²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 Flexible with Insulated Ferrule 2x 0.75 ... 2.5 Flexible 2x0.75 ... 2.5 m² Solid 2 x 1 ... 4 m² Stranded 1 x 1 ... 4 m²
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

Dimensions

Product Net Width	140 mm
Product Net Depth / Length	180.5 mm
Product Net Height	227 mm
Product Net Weight	5.4 kg

Popular Downloads

Data Sheet, Technical Information	1SBC100192C0206
Instructions and Manuals	1SFC380003-89
Dimension Diagram	53540930-2

Ordering

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

Categories

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

