

PRODUCT-DETAILS

A95-30-11-84 A95-30-11 110V 50Hz / 110-120V 60Hz Contactor "No longer for sale" replaced by



General Information	
Extended Product Type	A95-30-11-84
Product ID	1SFL431001R8411
EAN	7320500142783
Catalog Description	A95-30-11 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 1000 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)	1SBL407001R1311
Popular Downloads	
Data Sheet, Technical	1SBC100192C0206
Information	

Dimension Diagram 53540923-1

Product Net Depth /	Dimensions	
Length	Product Net Width	102 mm
Technical Number of Main Contacts 3 NC 0 Number of Main Contacts 0 NC 1 Number of Auxiliary 1 Contacts NO 1 Name of Auxiliary 1 Contacts NC Main Circuit 1000 V Rated Frequency (f) Main Circuit 50 / 80 Hz Conventional Free-air Conventional Free-air The Act of Conventional Current (I _m) (690 V) 40 °C 145 A Rated Operational Current (690 V) 40 °C 145 A AC-1 (I _a) (890 V) 55 °C 165 A (890 V) 55 °C 165 A (890 V) 55 °C 165 A Rated Operational Current (415 V) 55 °C 93 A AC-3 (I _a) (890 V) 55 °C 85 A (1000 V) 55 °C 85 A (1000 V) 55 °C 85 A Rated Operational Power (440 V) 55 KW AC-3 (P _e) (440 V) 55 KW Rated Speaking Capacity (20 / 230 / 240 V) 55 KW Rated Speaking Capacity (20 / 230 / 240 V) 55 KW Rated Sport-Line (440 V) 55 KW Rated Sport-Line (440 V) 55 KW (2	Product Net Depth / Length	123.5 mm
Number of Main Contacts NO	Product Net Height	148 mm
Number of Main Contacts NO Number of Main Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Rated Frequency (f) Rated Operational Voltage Rated Frequency (f) Main Circuit 50 / 60 Hz Conventional Free-air Thermal Current (I _(h) Roted Operational Current (R90 V) 40 / 145 A RC-1 (I _(q) (R90 V) 40 / 150 /	Product Net Weight	1.8 kg
Nomber of Main Contacts NC Number of Maxiliary Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Rated Frequency (f) Main Circuit 50 / 60 Hz Contendional Free-air Rated Operational Current (Im) Rated Operational Current (G90 V) 40 ° C 145 A Rated Operational Current (H15 V) 55 ° C 95 A (G90 V) 70 ° C 115 A Rated Operational Current (H15 V) 55 ° C 95 A (G90 V) 70 ° C 115 A Rated Operational Current (A15 V) 55 ° C 95 A (G90 V) 75 ° C 85 A (G90 V) 55 ° C 85 A (G90	Technical	
Number of Auxiliary Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Rated Operational Voltage Rated Frequency (f) Main Circuit 50 / 60 Hz Conventional Free-air Thermal Current (I ₍₁₎) Rated Operational Current (690 V) 40 °C 145 A AC-1 (I _e) (690 V) 55 °C 155 A AC-3 (I _e) (690 V) 55 °C 155 A AC-3 (I _e) (690 V) 55 °C 155 A (600 V) 55 °C 30 A (600 V	Number of Main Contacts NO	3
Contacts NO	Number of Main Contacts NC	0
Contacts NC	Number of Auxiliary Contacts NO	1
Rated Frequency (f)	Number of Auxiliary Contacts NC	1
Conventional Free-air Thermal Current (I _{III)} acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 145 A Thermal Current (I _{III)} (690 V) 40 °C 145 A (690 V) 55 °C 135 A (690 V) 70 °C 115 A (700 V) 70 °C	Rated Operational Voltage	Main Circuit 1000 V
Thermal Current (Ith) Rated Operational Current AC-1 (Ie) (1690 V) 40 °C 145 A AC-1 (Ie) (1690 V) 55 °C 195 A (690 V) 70 °C 115 A (690 V) 70 °C 1	Rated Frequency (f)	Main Circuit 50 / 60 Hz
AC-1 (Ie) (690 V) 55 °C 135 A Rated Operational Current (415 V) 55 °C 96 A AC-3 (Ie) (404 V) 55 °C 96 A (404 V) 55 °C 96 A (690 V) 55 °C 80	Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 145 A
AC-3 (I _e) (440 V) 55 °C 80 A (500 V) 55 °C 80 A (690 V) 55 °C 80 A (690 V) 55 °C 80 A (7000 V) 55 °C 80 A (7000 V) 55 °C 96	Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 145 A (690 V) 55 °C 135 A (690 V) 70 °C 115 A
AC-3 (Pe) (440 V) 55 kW (500 V) 55 kW (690 V) 55 kW (1000 V) 40 kW (220 / 230 / 240 V) 25 kW Rated Breaking Capacity AC-3 Rated Making Capacity AC-3 Rated Making Capacity AC-3 Short-Circuit Protective Devices Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A Cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A Maximum Electrical Switching Frequency (AC-2 / AC-4) 150 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles	Rated Operational Current AC-3 (I _e)	(415 V) 55 °C 96 A (440 V) 55 °C 93 A (500 V) 55 °C 80 A (690 V) 55 °C 65 A (1000 V) 55 °C 30 A (380 / 400 V) 55 °C 96 A (220 / 230 / 240 V) 55 °C 96
AC-3 Rated Making Capacity AC-3 Short-Circuit Protective Devices Rated Short-time Withstand Current Low Voltage (I _{cw}) Maximum Breaking Capacity Maximum Electrical Switching Frequency Rated Operational Current Curre	Rated Operational Power AC-3 (P _e)	(415 V) 55 kW (440 V) 55 kW (500 V) 55 kW (690 V) 55 kW (1000 V) 40 kW (380 / 400 V) 45 kW (220 / 230 / 240 V) 25 kW
AC-3 Short-Circuit Protective Devices Rated Short-time Rated Short-time Withstand Current Low Voltage (I _{cw}) Maximum Breaking Capacity Maximum Electrical Switching Frequency AC-1) 300 cycles per hour Switching Frequency Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A (110 V) 2 Poles in Series, 40 °C 145 A	Rated Breaking Capacity AC-3	8 x le AC-3
Devices Rated Short-time Rated Short-time At 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A Capacity Maximum Breaking Cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A maximum Electrical Switching Frequency (AC-1) 300 cycles per hour (AC-3) 300 cycles p	Rated Making Capacity AC-3	10 x le AC-3
Withstand Current Low Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A Maximum Electrical (AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour	Short-Circuit Protective Devices	gG Type Fuses 160 A
Capacity cos phi=0.45 (cos phi=0.35 for le > 100 Å) at 690 V 800 A Maximum Electrical (AC-1) 300 cycles per hour Switching Frequency (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour (AC-1) 450 cycles per hour (AC-1) 450 cycles per hour (AC-2) AC-4) 150 cycles per hour (AC-2) AC-4) 150 cycles per hour (AC-2) AC-4) 150 cycles per hour (AC-1) 300 cycles per hour (AC-2) AC-4) 150 cycles per hour (AC-2) AC-4) 150 cycles per hour	Rated Short-time Withstand Current Low Voltage (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A
Switching Frequency (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour (AC-3) 300 cycles per hour Rated Operational Current DC-1 (I _e) (110 V) 2 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 A (110 V) 2 Poles in Series, 40 °C 145 A	Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 800 A
DC-1 (I _e) (220 V) 3 Poles in Series, 40 °C 145 A Rated Operational Current (110 V) 2 Poles in Series, 40 °C 145 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 145 A (220 V) 3 Poles in Series, 40 °C 145 A
	Rated Operational Current DC-3 (I _e)	(110 V) 2 Poles in Series, 40 °C 145 A (220 V) 3 Poles in Series, 40 °C 145 A

Rated Operational Current DC-5 (I _e)	(110 V) 2 Poles in Series, 40 °C 145 A (220 V) 3 Poles in Series, 40 °C 145 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
Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at $\theta \le 70$ °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 22 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 26 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 350 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 450 V·A
Operate Time	Between Coil De-energization and NC Contact Closing 7 15 ms Between Coil De-energization and NO Contact Opening 10 18 ms Between Coil Energization and NC Contact Opening 7 22 ms Between Coil Energization and NO Contact Closing 10 25 ms
Connecting Capacity Main Circuit	Bar 30 mm² Flexible with Cable End 2 x 6 35 mm² Rigid 1 x 10 95 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 2.5 mm² Flexible 2x0.75 2.5 mm² Solid 2 x 1 4 mm² Stranded 2 x 1 4 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 IP10
Connecting Terminals (delivered in open position) Main Poles	M8 hexagon socket screw with single connector
Terminal Type	Cable Clamp
	<u> </u>
Technical UL/CSA	
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 125 A
Horsepower Rating UL/CSA	(200 V AC) Three Phase 30 hp (208 V AC) Three Phase 30 hp (220 240 V AC) Three Phase 30 hp (440 480 V AC) Three Phase 60 hp (550 600 V AC) Three Phase 75 hp
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 -60 +80 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc.	Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock
to IEC 60068-2-27	Direction: A 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: A 20 g
	Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: B1 15 g
	Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: C1 20 g
	Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock

Direction: C2 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock
Direction: B1 5 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock
Direction: B2 15 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock
Direction: C1 20 g
Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock
Direction: C2 20 g

Material Compliance	
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	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	07172/D0 BV
CB Certificate	SE-69430
CQC Certificate	CQC2002010304008904 CQC2009010304353526
Declaration of Conformity - CCC	2020980304001630 2020980304001078
Declaration of Conformity - CE	2CMT2015-005436
Declaration of Conformity - UKCA	2CMT2020-006118
DNV Certificate	DNV_E-12191
GL Certificate	GL_99358-97HH
LOVAG Certificate	SE-9645071-1
LR Certificate	LR_12-70027-E1
RINA Certificate	ELE060313XG/001
RMRS Certificate	RMRS_12-03683-315

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	130 mm
Package Level 1 Depth / Length	265 mm
Package Level 1 Height	162 mm
Package Level 1 Gross Weight	2 kg
Package Level 1 EAN	7320500142783

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
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4761 >> Magnet contactor, AC-switching

Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ Block\ Contactors\ \rightarrow\ A\ Contactors$

