PRODUCT-DETAILS

AF260-30-11-70

AF260-30-11 100-250V 50/60Hz / 100-250V DC Contactor

"No longer for sale" replaced by

General Information

Extended Product Type	AF260-30-11-70
Product ID	1SFL537001R7011
EAN	7320500217641
Catalog Description	AF260-30-11 100-250V 50/60Hz / 100-250V DC 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 wide control voltage range 100-250 V, AC/DC

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Replacement Product ID (NEW)	1SFL547002R1311

Popular Downloads

Data Sheet, Technical	1SBC100192C0206

Information	
Instructions and Manuals	1SFC380003-89
Dimension Diagram	53540930-2

Dimensions

Product Net Width	140 mm
Product Net Depth / Length	180.5 mm
Product Net Height	227 mm
Product Net Weight	5.1 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
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 Θ = 40 °C 400 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 400 A (690 V) 55 °C 350 A (690 V) 70 °C 290 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 260 A (440 V) 55 °C 240 A (500 V) 55 °C 240 A (690 V) 55 °C 220 A (380 / 400 V) 55 °C 260 A (220 / 230 / 240 V) 55 °C 260
Rated Operational Current DC-1 (I_e)	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
Rated Operational Current DC-3 (I_e)	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
Rated Operational Current DC-5 (I_e)	(110 V) 2 Poles in Series, 40 °C 400 A (220 V) 3 Poles in Series, 40 °C 400 A
Rated Operational Power AC-3 (P_e)	(415 V) 140 kW (440 V) 140 kW (500 V) 180 kW (690 V) 200 kW (380 / 400 V) 140 kW (220 / 230 / 240 V) 80 kW
Rated Breaking Capacity AC-3	8 x Ie AC-3
Rated Making Capacity AC-3	10 x Ie 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 Ie > 100 A) at 440 V 2600 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 2400 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	300 cycles per hour (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	300 cycles per hour
Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at θ ≤ 70 °C)
Rated Control Circuit Voltage (U_c)	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 10 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 10 V·A Holding at Max. Rated Control Circuit Voltage DC 2 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 470 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 470 V·A Pull-in at Max. Rated Control Circuit Voltage DC 520 W
Power Loss	14 W at Rated Operating Conditions per Pole 14 W
Operate Time	Between Coil De-energization and NC Contact Closing 40 .... 50 ms Between Coil De-energization and NO Contact Opening 43 ... 53 ms Between Coil Energization and NC Contact Opening 45 ... 85 ms Between Coil Energization and NO Contact Closing 50 ... 90 ms
Connecting Capacity Main Circuit	Bar 32 mm² Rigid Al-Cable 2 x 95 ... 120 mm² Rigid Cu-Cable 16 ... 240 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
Connecting Capacity	Bar 32 mm² Rigid Al-Cable 120 ... 240 mm² Rigid Cu-Cable 16 ... 240 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
Tightening Torque	Main Circuit 28 N·m
Terminal Type	Main Circuit: Bars
Product Name	Block Contactor

Technical UL/CSA

NEMA Size	5
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 350 A
Horsepower Rating UL/CSA	(200 V AC) Three Phase 75 hp (208 V AC) Three Phase 75 hp (220 ... 240 V AC) Three Phase 100 hp (440 ... 480 V AC) Three Phase 200 hp (550 ... 600 V AC) Three Phase 250 hp
Full Load Amps Motor Use	(440 ... 480 V AC) Three Phase 240 A (550 ... 600 V AC) Three Phase 242 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
RoHS Declaration	2CMT2015-005436
RoHS Information	Following EU Directive 2011/65/EU
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

ABS Certificate	15-LD1408622-PDA
BV Certificate	BV_13409-C0BV
CB Certificate	SEMKO_SE-69490
CCS Certificate	GB14T00030
CQC Certificate	CQC2007010304256681
Declaration of Conformity - CCC	2020980304001554
Declaration of Conformity - CE	2CMT2015-005436
DNV GL Certificate	TAE00001W1
EAC Certificate	9AKK107046A8618
GL Certificate	GL_20262-04HH
LOVAG Certificate	SE-0115199
LR Certificate	16-20064
RINA Certificate	ELE060313XG_002
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	5.8 kg
Package Level 1 EAN	7320500217641

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 (Finland)	3709248
E-Number (Norway)	4115279
E-Number (Sweden)	3228316

Categories

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