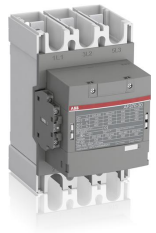
AF370-30-11-13

AF370-30-11-13 Contactor



General Information

Extended Product Type	AF370-30-11-13
Product ID	1SFL607002R1311
EAN	7320500481899
Catalog Description	AF370-30-11-13 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 wide control voltage range 100-250 V, 50/60 Hz and DC

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100192C0206
Instructions and Manuals	1SFC100008M0201

Dimensions

Product Net Width	140.0 mm
Product Net Depth / Length	180.0 mm
Product Net Height	225.0 mm
Product Net Weight	4.640 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
Rated Operational Voltage	Main Circuit 1000 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 600 A
Rated Operational Current AC-1 (I_e)	(690 V) 55 °C 500 A (690 V) 40 °C 600 A

	(1000 V) 40 °C 400 A (1000 V) 55 °C 350 A (690 V) 70 °C 400 A (1000 V) 70 °C 290 A
Rated Operational Current AC-3 (I_e)	(220 / 230 / 240 V) 55 °C 370 A (380 / 400 V) 55 °C 370 A (415 V) 55 °C 370 A (440 V) 55 °C 370 A (500 V) 55 °C 315 A (690 V) 55 °C 315 A (1000 V) 55 °C 141 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 110 kW (380 / 400 V) 200 kW (415 V) 200 kW (440 V) 200 kW (500 V) 250 kW (690 V) 315 kW (1000 V) 200 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x Ie AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x Ie AC-3
Short-Circuit Protective Devices	gG Type Fuses 630 A
Rated Short-time Withstand Current (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1709 A at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2960 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1208 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 5000 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 4000 A
Maximum Electrical Switching Frequency	AC-3 300 cycles per hour AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour
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 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	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) °C
Rated Control Circuit Voltage (U_c)	60 Hz 100 ... 250 V 50 Hz 100 ... 250 V DC Operation 100 ... 250 V
Coil Consumption	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 385 V·A Holding at Max. Rated Control Circuit Voltage DC 4.5 W Holding at Max. Rated Control Circuit Voltage 50 Hz 17.5 V·A Pull-in at Max. Rated Control Circuit Voltage DC 410 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 385 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17.5 V·A
Operate Time	Between Coil De-energization and NO Contact Opening 37 ... 47 ms Between Coil Energization and NO Contact Closing 25 ... 55 ms
Connecting Capacity Main Circuit	Rigid Al-Cable 1 x 185 ... 240 mm² Flexible 2 x 70 ... 185 mm² Rigid Cu-Cable 2 x 70 ... 185 mm²
Connecting Capacity Auxiliary Circuit	Solid 2 x 1 ... 4 mm² Flexible with Insulated Ferrule 2 x 0.75 ... 2.5 mm² Stranded 1 x 1 .... 4 mm² Flexible 2x0.75 ... 2.5 mm² Flexible with Ferrule 2 x 0.75 ... 2.5 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
Terminal Type	Main Circuit: Bars

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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	3000 m
RoHS Status	Following EU Directive 2011/65/EU

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Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 520 A
Horsepower Rating UL/CSA	(208 V AC) Three Phase 125 Hp (440 ... 480 V AC) Three Phase 300 Hp (550 ... 600 V AC) Three Phase 350 Hp (220 ... 240 V AC) Three Phase 150 Hp (200 V AC) Three Phase 125 Hp

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Certificates and Declarations (Document Number)

ABS Certificate	14-LD1092198-PDA
BV Certificate	BV_36353_A0BV
CB Certificate	SE-89316
CCC Certificate	CQC_2014010304676670
CCS Certificate	GB14T00030
cUL Certificate	20121217-E36588
Declaration of Conformity - CE	2CMT2015-005439
DNV Certificate	DNV_E-14043
DNV GL Certificate	DNV_E-14043
EAC Certificate	9AKK107046A8618
Environmental Information	2CMT004732
GL Certificate	GL_95073-14HH
Instructions and Manuals	1SFC100008M0201
LR Certificate	LR_14_70011(E1)
PRS Certificate	TE_2092_880423_16
RINA Certificate	ELE060313XG_002
RMRS Certificate	9AKK107045A6978
RoHS Information	2CMT2016-007236
UL Listing Card	UL_E36588

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Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	223 mm
Package Level 1 Depth / Length	175 mm
Package Level 1 Height	270 mm
Package Level 1 Gross Weight	5.31 kg
Package Level 1 EAN	7320500481899

Classifications

Object Classification Code	Q
E-nummer	3210171
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

Categories

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

