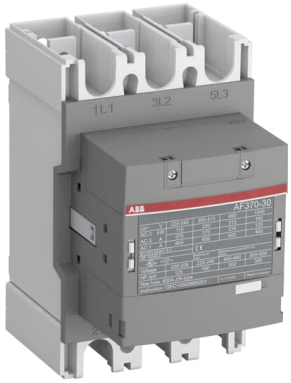
PRODUCT-DETAILS

AF370-30-00-13

AF370-30-00-13 Contactor



Algemene informatie

Type	AF370-30-00-13
Artikelnummer	1SFL607002R1300
EAN	7320500481882
Omschrijving	AF370-30-00-13 Contactor
Omschrijving	The AF370-30-00-13 is a 3 pole - 1000 V IEC or 600 V UL contactor with Main Circuit Bars, controlling motors up to 200 kW / 400 V AC (AC-3) or 300 hp / 480 V UL and switching power circuits up to 600 A (AC-1) or 520 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (100-250 V 50/60 Hz and DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.

Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900

Popular Downloads

Gegevensblad, technische informatie	1SBC100192C0206
Instructies en handleidingen	1SFC100008M0201
CAD Dimensional Drawing	2CDC001079B0201
Dimensiediagram	1SFB535001G1060

Dimensions

Product netto breedte	140 mm
Product netto diepte	180 mm
Product netto hoogte	225 mm
Product netto gewicht	3.9 kg

Technical

Aantal hoofdcontacten NO	3
Aantal hoofdcontacten NC	0
Aantal hulpcontacten NO	0
Aantal hulpcontacten NC	0
Nominaal bedrijfsvoltage	Main Circuit 1000 V
Toegekende frequentie (f)	Main Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom (I_{th})	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 600 A
Nominale bedrijfsstroom AC-1 (I_e)	(1000 V) 40 °C 400 A (1000 V) 55 °C 350 A (1000 V) 60 °C 350 A (1000 V) 70 °C 290 A (690 V) 40 °C 600 A (690 V) 55 °C 500 A (690 V) 70 °C 400 A
Nominale bedrijfsstroom AC-3 (I_e)	(415 V) 55 °C 370 A (440 V) 55 °C 370 A (500 V) 55 °C 350 A (690 V) 55 °C 315 A (1000 V) 55 °C 141 A (380 / 400 V) 55 °C 370 A (220 / 230 / 240 V) 55 °C 370
Nominale bedrijfsvermogen AC-3 (P_e)	(415 V) 200 kW (440 V) 200 kW (500 V) 250 kW (690 V) 315 kW (1000 V) 200 kW (380 / 400 V) 200 kW (220 / 230 / 240 V) 110 kW
Nominale remcapaciteit AC-3 volgens IEC 60947-4-1	8 x Ie AC-3
Nominaal inschakelvermogen AC-3 volgens IEC 60947-4-1	10 x Ie AC-3
Beschermende apparaten met kortsluiting	gG Type Fuses 630 A
Nominale kortstondige	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2960 A

grensstroom (I_{cw})	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 min 1208 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 30 s 1709 A
Maximale breekcapaciteit	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
Maximale elektrische schakelfrequentie	(AC-1) 300 omwentelingen per uur (AC-2 / AC-4) 150 omwentelingen per uur (AC-3) 300 omwentelingen per uur
Nominale bedrijfsstroom DC-1 (I_e)	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Nominale bedrijfsstroom DC-3 (I_e)	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Nominale bedrijfsstroom DC-5 (I_e)	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Nominaal isolatievoltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Nominale impuls grensvoltage (U_{imp})	Main Circuit 8 kV
Mechanische duurzaamheid	5 million
Maximale mechanische schakelfrequentie	300 omwentelingen per uur
Spoel operationele limieten	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at θ ≤ 70 °C)
Nominale stuurstroomkringspanning (U_c)	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Spoelverbruik	Holding at Max. Rated Control Circuit Voltage 50 Hz 17.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17.5 V·A Holding at Max. Rated Control Circuit Voltage DC 4.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 385 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 385 V·A Pull-in at Max. Rated Control Circuit Voltage DC 410 W
Bedieningstijd	Between Coil De-energization and NO Contact Opening 37 ... 47 ms Between Coil Energization and NO Contact Closing 25 ... 55 ms
Verbindingscapaciteit hoofdcircuit	Flexible 2 x 70 ... 185 mm² Rigid Al-Cable 1 x 185 ... 240 mm² Rigid Cu-Cable 1 x 6 ... 300 mm²
Verbindingscapaciteit hulpcircuit	Flexible with Ferrule 1x 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
Beschermingsgraad	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminaltype	Main Circuit: Bars

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 1000 V
Algemeen gebruik klasse UL/CSA	(600 V AC) 520 A
Paardenkrachtklasse UL/CSA	(200 V AC) Three Phase 125 hp (208 V AC) Three Phase 125 hp

	(220 ... 240 V AC) Three Phase 150 hp (440 ... 480 V AC) Three Phase 300 hp (550 ... 600 V AC) Three Phase 350 hp

Environmental

Omgevingsluchttemperatuur	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 bij schakelaar voor opslag -40 ... 70 °C
Maximale werkhoogte toegestaan	Without Derating 3000 m
RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Circular Value

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 76.3 %
End of Life Instructions	1SFC100112M0001
Group Waste to Landfill Target	Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility
Improved Resource Efficiency for Customers	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
Sustainable Material Content	Recycled Metal - 33 %

Eco Transparency

Milieuproductverklaring - EPD	1SFC100104D0201

Certificates and Declarations

ABS-certificaat	14-LD1092198-PDA
BV-certificaat	BV_36353_A0BV
CB-certificaat	SE-89316
CCS-certificaat	GB14T00030
CQC-certificaat	CQC2014010304676670 CQC2014010304673866
Declaration of Conformity - CCC	2020980304001305 2020980304001068
Conformiteitsverklaring - CE	2CMT2015-005439
Declaration of Conformity - UKCA	2CMT2020-006118
DNV-certificaat	DNV_E-14043
EAC-certificaat	9AKK107046A8618
GL-certificaat	GL_95073-14HH
LR-certificaat	LR_14_70011(E1)
PRS-certificaat	TE_2092_880423_16
RINA-certificaat	ELE060313XG_002

RMRS-certificaat	9AKK107045A6978
UL-certificaat	20121217-E36588
UL-noteringskaart	UL_E36588

Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	263 mm
Pakketniveau 1 Lengte	203 mm
Pakketniveau 1 Hoogte	289 mm
Pakketniveau 1 Brutogewicht	4.6 kg
Pakketniveau 1 EAN	7320500481882

Classifications

Object classificatiecode	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Magneetschakelaar
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Magneetschakelaar
eClass	V11.0 : 27371003
UNSPSC	39121529
IGCC (IDEA granulaire categoriecode)	4758 >> Iec Contactors
E-Number (Finland)	3706497
E-Number (Norway)	3210167
E-Number (Sweden)	3210167

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars