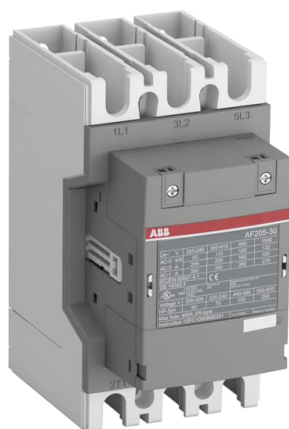


PRODUCT-DETAILS

# AF205-30-00-14

## AF205-30-00-14 Contactor



### Algemene informatie

Type	AF205-30-00-14
Artikelnummer	1SFL527002R1400
EAN	7320500480533
Omschrijving	AF205-30-00-14 Contactor
Omschrijving	The AF205-30-00-14 is a 3 pole - 1000 V IEC or 600 V UL contactor with Main Circuit Bars, controlling motors up to 110 kW / 400 V AC (AC-3) or 150 hp / 480 V UL and switching power circuits up to 350 A (AC-1) or 300 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (250-500 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
Numerus douanetarief	85364900

### Popular Downloads

Gegevensblad, technische informatie	1SBC100192C0206
Instructies en	1SFC100008M0201

## handleidingen

CAD Dimensional Drawing	2CDC001079B0201
Dimensiediagram	1SFB535001G1056

## Dimensions

Product netto breedte	105 mm
Product netto diepte	152 mm
Product netto hoogte	196 mm
Product netto gewicht	2.4 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 $\Theta = 40\text{ °C}$ 350 A
Nominale bedrijfsstroom AC-1 ( $I_e$ )	(1000 V) 40 °C 275 A (1000 V) 55 °C 250 A (1000 V) 60 °C 250 A (1000 V) 70 °C 200 A (690 V) 40 °C 350 A (690 V) 55 °C 300 A (690 V) 70 °C 240 A
Nominale bedrijfsstroom AC-3 ( $I_e$ )	(415 V) 55 °C 205 A (440 V) 55 °C 205 A (500 V) 55 °C 186 A (690 V) 55 °C 165 A (1000 V) 55 °C 100 A (380 / 400 V) 55 °C 205 A (220 / 230 / 240 V) 55 °C 205 A
Nominale bedrijfsvermogen AC-3 ( $P_e$ )	(415 V) 110 kW (440 V) 132 kW (500 V) 132 kW (690 V) 160 kW (1000 V) 132 kW (380 / 400 V) 110 kW (220 / 230 / 240 V) 55 kW
Nominale remcapaciteit AC-3 volgens IEC 60947-4-1	8 x $I_e$ AC-3
Nominaal inschakelvermogen AC-3 volgens IEC 60947-4-1	10 x $I_e$ AC-3
Beschermende apparaten met kortsluiting	gG Type Fuses 400 A
Nominale kortstondige grensstroom ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1640 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 670 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2050 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 947 A
Maximale breekcapaciteit	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 3500 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 2500 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 275 A (220 V) 3 Poles in Series, 40 °C 275 A

Nominale bedrijfsstroom DC-3 ( $I_e$ )	(110 V) 2 Poles in Series, 40 °C 275 A (220 V) 3 Poles in Series, 40 °C 275 A
Nominale bedrijfsstroom DC-5 ( $I_e$ )	(110 V) 2 Poles in Series, 40 °C 275 A (220 V) 3 Poles in Series, 40 °C 275 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 $U_c$ Min. ... 1.1 x $U_c$ Max. (at $\theta \leq 70$ °C)
Nominale stuurstroomkringspanning ( $U_c$ )	50 Hz 250 ... 500 V 60 Hz 250 ... 500 V DC Operation 250 ... 500 V
Spoelverbruik	Holding at Max. Rated Control Circuit Voltage 50 Hz 16.1 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 16.1 V-A Holding at Max. Rated Control Circuit Voltage DC 3.9 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 260 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 260 V-A Pull-in at Max. Rated Control Circuit Voltage DC 230 W
Bedieningsstijd	Between Coil De-energization and NO Contact Opening 37 ... 47 ms Between Coil Energization and NO Contact Closing 25 ... 55 ms
Verbindingscapaciteit hoofdcircuit	Flexible 1 x 6 ... 120 mm <sup>2</sup> Rigid Cu-Cable 2 x 50 ... 120 mm <sup>2</sup>
Verbindingscapaciteit hulpcircuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible 2x0.75 ... 2.5 mm <sup>2</sup> Solid 1 x 1 ... 4 mm <sup>2</sup> Stranded 2 x 1 ... 4 mm <sup>2</sup>
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) 300 A
Paardenkrachtklasse 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

Omgevingsluchttemperatuur	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 $U_c$ ) -25 ... 50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 $U_c$ ) -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 - 79.2 %

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 requires less energy to operate compared to similar product on market or older products from the same line
Sustainable Material Content	Recycled Metal - 35 %

## Eco Transparency

Milieuproductverklaring - EPD	1SFC100095D0201
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## Certificates and Declarations

ABS-certificaat	14-LD1092198-PDA
BV-certificaat	BV_36353_A0BV
CB-certificaat	SE-82315
CCS-certificaat	GB14T00030
CQC-certificaat	CQC2014010304676685 CQC2014010304724672
Declaration of Conformity - CCC	2020980304001306 2020980304001071
Conformiteitsverklaring - CE	2CMT2015-005439
Declaration of Conformity - UKCA	2CMT2020-006118
DNV-certificaat	DNV_E-14043
EAC-certificaat	9AKK107046A8618
GL-certificaat	GL_95072-14HH
KC-certificaat	9AKK107046A9912
LR-certificaat	LR_14_70011(E1)
PRS-certificaat	TE_2092_880423_16
RINA-certificaat	ELE060313XG_002
RMRS-certificaat	9AKK107045A6978
UL-certificaat	20121023-E36588
UL-noteringskaart	UL_E36588

## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	160 mm
Pakketniveau 1 Lengte	258 mm
Pakketniveau 1 Hoogte	235 mm
Pakketniveau 1 Bruto gewicht	3 kg
Pakketniveau 1 EAN	7320500480533

## 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)	3706464
E-Number (Norway)	3210139
E-Number (Sweden)	3210139

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## Categorieën

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Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

