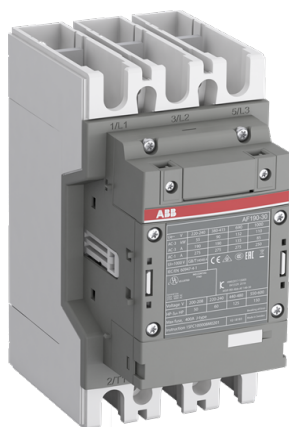


PRODUCT-DETAILS

AF190-30-00-11

AF190-30-00-11 Contactor



Informations générales

Extension du type de produit	AF190-30-00-11
Code de produit	1SFL487002R1100
EAN	7320500480373
Description courte	AF190-30-00-11 Contactor
Description longue	The AF190-30-00-11 is a 3 pole - 1000 V IEC or 600 V UL contactor with Main Circuit Bars, controlling motors up to 90 kW / 400 V AC (AC-3) or 125 hp / 480 V UL and switching power circuits up to 275 A (AC-1) or 250 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V 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.

Commande

Quantité minimum	1 pièce
Code douanier	85364900

Downloads Préférés

Fiche produit, informations techniques	1SBC100192C0206
Instructions et manuels	1SFC100008M0201
CAD Dimensional	2CDC001079B0201

Drawing

Schéma dimensionnel

1SFB535001G1056

Dimensions

Produit Largeur Net	105 mm
Produit Longueur Net	152 mm
Produit Hauteur Net	196 mm
Poids net	2.4 kg

Technique

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Tension	Circuit principal 1000 V
Fréquence assignée (f)	Circuit principal 50 / 60 Hz
Courant thermique conventionnel à l'air libre (I _{th})	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 275 A
Courant assignée d'emploi AC-1 (I _e)	(1000 V) 40 °C 250 A (1000 V) 55 °C 225 A (1000 V) 60 °C 225 A (1000 V) 70 °C 185 A (690 V) 40 °C 275 A (690 V) 55 °C 250 A (690 V) 60 °C 250 A (690 V) 70 °C 200 A
Courant assignée d'emploi AC-3 (I _e)	(415 V) 55 °C 190 A (440 V) 55 °C 190 A (500 V) 55 °C 156 A (690 V) 55 °C 135 A (1000 V) 55 °C 85 A (380 / 400 V) 55 °C 190 A (220 / 230 / 240 V) 55 °C 190 A
Courant assignée d'emploi AC-3e (I _e)	(415 V) 60 °C 190 A (440 V) 60 °C 190 A (500 V) 60 °C 135 A (690 V) 60 °C 135 A (1000 V) 60 °C 85 A (380 / 400 V) 60 °C 190 A (220 / 230 / 240 V) 60 °C 190 A
Puissance assignée d'emploi AC-3 (P _e)	(415 V) 90 kW (440 V) 110 kW (500 V) 110 kW (690 V) 132 kW (1000 V) 110 kW (380 / 400 V) 90 kW (220 / 230 / 240 V) 55 kW
Puissance assignée d'emploi AC-3e (P _e)	(415 V) 90 kW (440 V) 110 kW (500 V) 110 kW (690 V) 132 kW (1000 V) 110 kW (380 / 400 V) 90 kW (220 / 230 / 240 V) 55 kW
Pouvoir assigné de cure AC-3	8 x I _e AC-3
Rated Breaking Capacity AC-3e	8.5 x I _e AC-3e
Pouvoir assigné de	10 x I _e AC-3

fermeture AC-3

Rated Making Capacity AC-3e	12 x Ie AC-3e
Dispositif de protection contre les courts-circuits	gG Type Fuses 355 A
Courant assigné de courte durée admissible (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1520 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 275 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 621 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1900 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 878 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 3300 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 2200 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
Courant assignée d'emploi DC-1 (I_{θ})	(110 V) 2 Poles in Series, 40 °C 250 A (220 V) 3 Poles in Series, 40 °C 250 A
Courant assignée d'emploi DC-3 (I_{θ})	(110 V) 2 Poles in Series, 40 °C 250 A (220 V) 3 Poles in Series, 40 °C 250 A
Courant assignée d'emploi DC-5 (I_{θ})	(110 V) 2 Poles in Series, 40 °C 250 A (220 V) 3 Poles in Series, 40 °C 250 A
Tension assignée d'isolement (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Tension assignée de tenue aux chocs (U_{imp})	Circuit principal 8 kV
Durabilité mécanique	5 million
Maximum Mechanical Switching Frequency	300 cycles per hour
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at $\theta \leq 70$ °C)
Rated Control Circuit Voltage (U_c)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage DC 2.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 165 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 165 V-A Pull-in at Max. Rated Control Circuit Voltage DC 205 W
Durée de fonctionnement nominale	Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 37 ... 47 ms Entre la mise sous tension de la bobine et la fermeture du contact NO 25 ... 55 ms
Connecting Capacity Main Circuit	Flexible 2 x 50 ... 95 mm ² Rigid Al-Cable 1 x 95 ... 185 mm ² Rigid Cu-Cable 1 x 6 ... 150 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 2 x 1 ... 4 mm ²
Indice de 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
Type de borne	Main Circuit: Bars

Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 1000 V
General Use Rating UL/CSA	(600 V AC) 250 A
Puissance nominale UL/CSA	(200 V AC) Three Phase 50 hp (208 V AC) Three Phase 50 hp (220 ... 240 V AC) Three Phase 60 hp (440 ... 480 V AC) Three Phase 125 hp

(550 ... 600 V AC) Three Phase 150 hp

Environnement

Température de l'air ambiant	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
Altitude de fonctionnement maximale autorisée	Without Derating 3000 m
REACH Declaration	2CMT2021-006202
Informations RoHS	2CMT2021-006277
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificats et Déclarations (Numéro de document)

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

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	160 mm
Emballage Niveau 1 Longueur	258 mm
Emballage Niveau 1 Hauteur	235 mm
Emballage Niveau 1 Poids	3 kg
Emballage Niveau 1 EAN	7320500480373

Classifications

Code de classification	Q
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d'objet	
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - contacteur de puissance pour commutation de courant alternatif
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
Code de catégorie granulaire IDEA (IGCC)	4758 >> Iec Contactors
E-Number (Finland)	3706387
E-Number (Norway)	3210128

