

PRODUCT-DETAILS

AF1250-30-22-71

AF1250-30-22 250-500V 50/60Hz / 250-500V DC Contactor



Informations générales

Extension du type de produit	AF1250-30-22-71
Code de produit	1SFL647001R7122
EAN	7320500355121
Description courte	AF1250-30-22 250-500V 50/60Hz / 250-500V DC Contactor
Description longue	The AF1250-30-22-71 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and Main Circuit Bars, switching power circuits up to 1260 A (AC-1) or 1210 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.

Commande

Quantité minimum	1 pièce
Code douanier	85364900

Downloads Préférés

Fiche produit, informations techniques	1SBC100192C0206
Instructions et manuels	1SFC380023-en
CAD Dimensional	2CDC001079B0201

Drawing

Dimensions

Produit Largeur Net	210 mm
Produit Longueur Net	242 mm
Produit Hauteur Net	344 mm
Poids net	14.6 kg

Technique

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	2
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 $\Theta = 40^\circ\text{C}$ 1050 A
Courant assignée d'emploi AC-1 (I_e)	(1000 V) 40 °C 1260 A (1000 V) 55 °C 1040 A (1000 V) 70 °C 875 A (690 V) 40 °C 1260 A (690 V) 55 °C 1040 A (690 V) 70 °C 875 A
Pouvoir assigné de coupure AC-3	8 x I_e AC-3
Pouvoir assigné de fermeture AC-3	10 x I_e AC-3
Courant assigné de courte durée admissible (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 7200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 4000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 8000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 5200 A
Maximum Breaking Capacity	$\cos \phi=0.45$ ($\cos \phi=0.35$ for $I_e > 100$ A) at 440 V 7500 A $\cos \phi=0.45$ ($\cos \phi=0.35$ for $I_e > 100$ A) at 690 V 7000 A
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour
Courant assignée d'emploi DC-1 (I_e)	(220 V) 3 Poles in Series, 40 °C 1250 A (600 V) 3 Poles in Series, 40 °C 1250 A (850 V) 3 Poles in Series, 40 °C 1250 A
Courant assignée d'emploi DC-3 (I_e)	(220 V) 3 Poles in Series, 40 °C 1250 A (600 V) 3 Poles in Series, 40 °C 1250 A (850 V) 3 Poles in Series, 40 °C 1250 A
Courant assignée d'emploi DC-5 (I_e)	(220 V) 3 Poles in Series, 40 °C 1250 A (600 V) 3 Poles in Series, 40 °C 1250 A (850 V) 3 Poles in Series, 40 °C 1250 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
Durabilite mecanique	0.5 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 U_c Min. ... 1.1 x U_c Max. (at $\theta \leq 70^\circ\text{C}$)
Rated Control Circuit	50 Hz 250 ... 500 V

Voltage (U _c)	60 Hz 250 ... 500 V DC Operation 250 ... 500 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage DC 7.5 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 985 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 985 V·A Pull-in at Max. Rated Control Circuit Voltage DC 910 V·A
Durée de fonctionnement nominale	Entre la mise hors tension de la bobine et la fermeture du contact NC (normally closed) 50 ... 70 ms Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 53 ... 73 ms Entre la mise sous tension de la bobine et l'ouverture du contact NC 45 ... 115 ms Entre la mise sous tension de la bobine et la fermeture du contact NO 50 ... 120 ms
Connecting Capacity Main Circuit	Bar 50 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 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
Connecting Terminals (delivered in open position) Main Poles	M 3.5 (+,-) pozidriv 2 screw with cable clamp
Type de borne	Main Circuit: Bars

Technique UL/CSA

Horsepower Rating NEMA	(230 V AC) Three Phase 300 Hp (460 V AC) Three Phase 600 Hp (575 V AC) Three Phase 600 Hp
Maximum Operating Voltage UL/CSA	Circuit principal 1000 V
General Use Rating UL/CSA	(1000 V AC) 1210 A

Environnement

Température de l'air ambiant	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 Close to Contactor for Storage -40 ... 70 °C
Altitude de fonctionnement maximale autorisée	Without Derating 3000 m
REACH Declaration	2CMT2021-006202
Résistance aux chocs selon CEI 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
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	15-LD1408622-PDA
Certificat BV	BV_13409-C0BV
CB Certificate	SE-82865
CCS Certificate	GB14T00030

CQC Certificate	CQC2006010304213519 CQC2012010304540079
Declaration of Conformity - CCC	2020980304001302 2020980304001044
Déclaration de Conformité - CE	2CMT2019-005796
Declaration of Conformity - UKCA	2CMT2020-006118
DNV GL Certificate	TAE00001W1
EAC Certificate	9AKK107046A8618
Certificat LR	16-20064
Certificat PRS	TE_2092_880423_16
Certificat RINA	ELE060313XG_002
Certificat RMRS	9AKK107045A6978
Certificat UL	UL_20130930-E73397
UL Listing Card	UL_E73397

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	280 mm
Emballage Niveau 1 Longueur	375 mm
Emballage Niveau 1 Hauteur	310 mm
Emballage Niveau 1 Poids	16 kg
Emballage Niveau 1 EAN	7320500355121

Classifications

Code de classification d'objet	Q
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 >> lec Contactors

