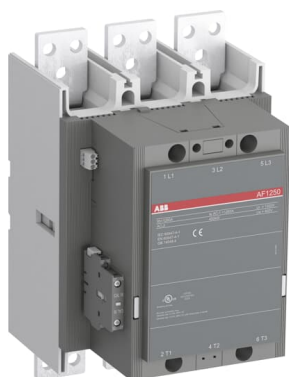


PRODUCT-DETAILS

AF1250-30-11-69

AF1250-30-11 48-130V 50/60Hz / 48-130V DC

Contacteur



Informations générales

| | |
|------------------------------|--|
| Extension du type de produit | AF1250-30-11-69 |
| Code de produit | 1SFL647001R6911 |
| EAN | 7320500355077 |
| Description courte | AF1250-30-11 48-130V 50/60Hz / 48-130V DC Contacteur |

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|--------------------|---|
| Description longue | <p>The AF1250-30-11-69 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 (48-130 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.</p> |
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Commande

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|------------------|----------|
| Quantité minimum | 1 pièce |
| Code douanier | 85364900 |

Downloads Préférés

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

Dimensions

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

Technique

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| Number of Main Contacts NO | 3 |
| Number of Main Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 1 |
| Number of Auxiliary Contacts NC | 1 |
| 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 le AC-3 |
| Pouvoir assigné de fermeture AC-3 | 10 x le 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 |

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| 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 |
| Durabilité mécanique | 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 $\theta \leq 70$ °C) |
| Rated Control Circuit Voltage (U_c) | 50 Hz 48 ... 130 V 60 Hz 48 ... 130 V DC Operation 48 ... 130 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 5 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V·A Pull-in at Max. Rated Control Circuit Voltage DC 1020 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 2x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 1 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

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|----------------------------------|---|
| 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

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| 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 |
| 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 |

Material Compliance

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|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 2CMT2021-006202 |
| Informations RoHS | 2CMT2021-006277 |
| Statut RoHS | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| WEEE B2C / B2B | Business To Business |
| Catégorie DEEE | 5. Small Equipment (No External Dimension More Than 50 cm) |

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

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|--------------------|-------------|
| Emballage Niveau 1 | box 1 pièce |
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Unités

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|--------------------------------|---------------|
| 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 | 7320500355077 |

Classifications

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|---|---|
| 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 >> Iec Contactors |
| E-Number (Norway) | 4115381 |
| E-Number (Sweden) | 4115381 |

