

PRODUCT-DETAILS

# AF26Z-40-00-21

## AF26Z-40-00-21 24-60V50/60HZ 20-60VDC

### Contacteur



#### Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | AF26Z-40-00-21                                   |
| Code de produit              | 1SBL236201R2100                                  |
| EAN                          | 3471523116016                                    |
| Description courte           | AF26Z-40-00-21 24-60V50/60HZ 20-60VDC Contacteur |

#### Description longue

The AF26Z-40-00-21 is a 4 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 11 kW / 400 V AC (AC-3) and switching power circuits up to 45 A (AC-1) or 45 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

|                         |                 |
|-------------------------|-----------------|
| Instructions et manuels | 1SBC101027M6801 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

## Dimensions

|                      |        |
|----------------------|--------|
| Produit Largeur Net  | 45 mm  |
| Produit Longueur Net | 101 mm |
| Produit Hauteur Net  | 86 mm  |
| Poids net            | 0.4 kg |

## Technique

|  |  |
|--|--|
| Number of Main Contacts<br>NO                                    | 4  |
| Number of Main Contacts<br>NC                                    | 0  |
| Number of Auxiliary<br>Contacts NO                               | 0  |
| Number of Auxiliary<br>Contacts NC                               | 0  |
| Normes et standards  | IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-1, UL 60947-4-1, CAN/CSA C22.2 No.60947-1, CAN/CSA C22.2 No.60947-4-1   |
| Tension  | Circuit principal 690 V  |
| Fréquence assignée (f)   | Circuit de commande 50 / 60 Hz<br>Circuit principal 50 / 60 Hz   |
| Courant thermique<br>conventionnel à l'air libre<br>( $I_{th}$ ) | acc. to IEC 60947-4-1, Open Contactors $\Theta = 40^\circ\text{C}$ 55 A  |
| Courant assignée<br>d'emploi AC-1 ( $I_e$ )                      | (690 V) 40 °C 45 A<br>(690 V) 60 °C 40 A<br>(690 V) 70 °C 32 A   |
| Courant assignée<br>d'emploi AC-3 ( $I_e$ )                      | (415 V) 60 °C 21.2 A<br>(440 V) 60 °C 20 A<br>(500 V) 60 °C 17.6 A<br>(690 V) 60 °C 10.5 A<br>(380 / 400 V) 60 °C 22 A<br>(220 / 230 / 240 V) 60 °C 23.2 A   |
| Puissance assignée<br>d'emploi AC-3 ( $P_e$ )                    | (400 V) 11 kW<br>(415 V) 11 kW<br>(440 V) 11 kW<br>(500 V) 11 kW<br>(690 V) 9 kW<br>(220 / 230 / 240 V) 5.5 kW   |
| Courant assigné de courte<br>durée admissible ( $I_{cw}$ )       | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 300 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 450 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A  |
| Maximum Electrical<br>Switching Frequency                        | (AC-1) 600 cycles per hour   |
| Courant assignée<br>d'emploi DC-1 ( $I_e$ )                      | (110 V) 2 Poles in Series, 40 °C 45 A<br>(110 V) 2 Poles in Series, 60 °C 40 A<br>(110 V) 2 Poles in Series, 70 °C 32 A<br>(110 V) 3 Poles in Series, 40 °C 45 A<br>(110 V) 3 Poles in Series, 60 °C 40 A<br>(110 V) 3 Poles in Series, 70 °C 32 A<br>(110 V) 4 Poles in Series, 40 °C 45 A<br>(110 V) 4 Poles in Series, 60 °C 40 A<br>(110 V) 4 Poles in Series, 70 °C 32 A<br>(220 V) 3 Poles in Series, 40 °C 45 A<br>(220 V) 3 Poles in Series, 60 °C 40 A<br>(220 V) 3 Poles in Series, 70 °C 32 A<br>(220 V) 4 Poles in Series, 40 °C 45 A<br>(220 V) 4 Poles in Series, 60 °C 40 A<br>(220 V) 4 Poles in Series, 70 °C 32 A<br>(72 V) 1-Pole, 40 °C 45 A<br>(72 V) 1-Pole, 60 °C 40 A<br>(72 V) 1-Pole, 70 °C 32 A<br>(72 V) 2 Poles in Series, 40 °C 45 A<br>(72 V) 2 Poles in Series, 60 °C 40 A<br>(72 V) 2 Poles in Series, 70 °C 32 A |

|   |  |
|---|--|
|   | (72 V) 3 Poles in Series, 40 °C 45 A<br>(72 V) 3 Poles in Series, 60 °C 40 A<br>(72 V) 3 Poles in Series, 70 °C 32 A<br>(72 V) 4 Poles in Series, 40 °C 45 A<br>(72 V) 4 Poles in Series, 60 °C 40 A<br>(72 V) 4 Poles in Series, 70 °C 32 A   |
| Tension assignée d'isolement (U <sub>i</sub> )          | acc. to IEC 60947-4-1 690 V<br>acc. to UL/CSA 600 V  |
| Tension assignée de tenue aux chocs (U <sub>imp</sub> ) | 6 kV   |
| Maximum Mechanical Switching Frequency                  | 3600 cycles per hour   |
| Rated Control Circuit Voltage (U <sub>c</sub> )         | 50 Hz 24 ... 60 V<br>60 Hz 24 ... 60 V<br>DC Operation 20 ... 60 V   |
| Durée de fonctionnement nominale                        | Entre la mise hors tension de la bobine et la fermeture du contact NC (normally closed) 13 ... 98 ms<br>Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 11 ... 95 ms<br>Entre la mise sous tension de la bobine et l'ouverture du contact NC 38 ... 90 ms<br>Entre la mise sous tension de la bobine et la fermeture du contact NO 40 ... 95 ms |
| Montage sur rail DIN                                    | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715   |
| Mounting by Screws (not supplied)                       | 2 x M4 screws placed diagonally  |
| Connecting Capacity Main Circuit                        | Flexible with Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup><br>Rigid Solid 1/2x 1.5 ... 4 mm <sup>2</sup><br>Rigid Stranded 1/2x 1.5 ... 16 mm <sup>2</sup>   |
| Connecting Capacity Control Circuit                     | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup><br>Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup><br>Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>   |
| Wire Stripping Length                                   | Control Circuit 10 mm<br>Main Circuit 12 mm  |
| Indice de protection                                    | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20   |
| Type de borne   | Screw Terminals  |

## Technique UL/CSA

|  |   |
|--|---|
| Maximum Operating Voltage UL/CSA           | Circuit principal 600 V                                     |
| General Use Rating UL/CSA                  | (600 V AC) 45 A   |
| Connecting Capacity Main Circuit UL/CSA    | Rigid Solid 1/2x 16-10 AWG<br>Rigid Stranded 1/2x 16-6 AWG  |
| Connecting Capacity Control Circuit UL/CSA | Rigid Solid 1/2x 18-14 AWG<br>Rigid Stranded 1/2x 18-14 AWG |
| Tightening Torque UL/CSA                   | Control Circuit 11 in-lb<br>Main Circuit 22 in-lb           |

## Environnement

|   |   |
|---|---|
| Température de l'air ambiant                  | Close to Contactor for Storage -60 ... +80 °C<br>Near Contactor for Operation in Free Air -40 ... 70 °C |
| Climatic Withstand                            | Category B according to IEC 60947-1 Annex Q   |
| Altitude de fonctionnement maximale autorisée | Without Derating 3000 m   |
| REACH Declaration                             | 2CMT2021-006202   |

Résistance aux chocs  
selon CEI 60068-2-27

Closed, Shock Direction: B1 25 g  
Open, Shock Direction: B1 5 g  
Shock Direction: A 30 g  
Shock Direction: B2 15 g  
Shock Direction: C1 25 g  
Shock Direction: C2 25 g

Resistance to Vibrations  
acc. to IEC 60068-2-6

5 ... 300 Hz 4 g closed position / 2 g open position

Informations RoHS

2CMT2021-006277

Statut RoHS

Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

|                                     |  |
|-------------------------------------|--|
| Certificat ABS                      | ABS_20-2060694-PDA   |
| Certificat BV                       | BV_2634H24898C0  |
| CB Certificate                      | CB_SE-96553M1  |
| CCC Certificate                     | CCC_2010010304445623                                       |
| CQC Certificate                     | CQC2010010304445623<br>CQC2020010304294316                 |
| Declaration of Conformity<br>- CCC  | 2020980304001254<br>2020980304001052                       |
| Déclaration de Conformité<br>- CE   | 1SBD250001U1000  |
| Declaration of Conformity<br>- UKCA | 1SBD250032U1000  |
| Certificat DNV                      | DNV_TAE00001AF-4   |
| EAC Certificate                     | EAC_RU_FRME77B03447  |
| Certificat GOST                     | GOST_POCCFR.ME77.B07175.pdf                                |
| KC Certificate                      | KC_HW02016-15002C  |
| Certificat LR                       | LRS_LR2002723TA-02   |
| Certificat RINA                     | RINA_ELE240318XG   |
| Certificat RMRS                     | RMRS_1802705280  |
| Certificat UL                       | UL-US-L319322-13-72119002-5<br>UL-CA-L319322-43-72119002-6 |
| UL Listing Card                     | UL_E319322   |

## Emballage

|                                |               |
|--------------------------------|---------------|
| Emballage Niveau 1<br>Unités   | box 1 pièce   |
| Emballage Niveau 1<br>Largeur  | 87 mm         |
| Emballage Niveau 1<br>Longueur | 103 mm        |
| Emballage Niveau 1<br>Hauteur  | 47 mm         |
| Emballage Niveau 1 Poids       | 0.4 kg        |
| Emballage Niveau 1 EAN         | 3471523116016 |
| Emballage Niveau 2<br>Unités   | box 18 pièce  |
| Emballage Niveau 2<br>Largeur  | 250 mm        |
| Emballage Niveau 2<br>Longueur | 300 mm        |
| Emballage Niveau 2<br>Hauteur  | 315 mm        |
| Emballage Niveau 2 Poids       | 14.4 kg       |
| Emballage Niveau 3             | 864 pièce     |

Unités

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**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 (Finland)                       | 3705833   |
| E-Number (Sweden)                        | 3211526   |

