

PRODUCT-DETAILS

K6-31Z-01

K6-31Z-01 Mini Contactor Relay 24V 40-450Hz



Informations générales

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|------------------------------|---|
| Extension du type de produit | K6-31Z-01 |
| Code de produit | GJH1211001R0311 |
| EAN | 4013614048999 |
| Description courte | K6-31Z-01 Mini Contactor Relay 24V 40-450Hz |
| Description longue | The K6-31Z mini contactor relay is a compact 4 pole contactor relay with screw terminals. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors relays are used in residential buildings, commercial buildings and industrial applications for switching of control signals up to 3 A / 400 V (AC-15). Further features are the silent coil, a switch position indication and the integrated possibility for rail or wall mounting. |

Commande

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|-------------------|----------|
| Quantité minimum | 1 pièce |
| Code douanier | 85365080 |
| Groupe de produit | K6 |

Downloads Préférés

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| Fiche produit, informations techniques | 1SBC100214C0202 |
| Instructions et manuels | 2CDC102047M6801 |
| CAD Dimensional | 2CDC001079B0201 |

Drawing

Schéma dimensionnel

GJL1200436F0001

Dimensions

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|----------------------|----------|
| Produit Largeur Net | 52.5 mm |
| Produit Longueur Net | 46.5 mm |
| Produit Hauteur Net | 57.5 mm |
| Poids net | 0.175 kg |

Technique

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| Coil Consumption | Average Holding Value 50 Hz 3.5 V·A Average Pull-in Value 50 Hz 3.5 V·A |
| Plage d'utilisation de la bobine selon | (acc. to IEC 60947-5-1) for AC supply 0.85 ... 1.1 x U _c (at $\theta \leq 55^\circ\text{C}$) |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ² |
| Connecting Capacity Control Circuit | Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ² |
| Maximum Electrical Switching Frequency | (AC-15) 600 cycles per hour (DC-13) 600 cycles per hour |
| Durabilité mécanique | 10000000 cycle |
| Mini Contactor Type | Mini Contactor Relay |
| Minimum Mounting Distance | Other Device Same Type, Horizontal 0 mm |
| Minimum Switching Capacity | 17 V 5 mA |
| Type d'encastrement | 1 ... 6 |
| Type de montage | DIN-Rail Screw |
| Montage sur rail DIN | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 3 |
| Number of Main Contacts NC | 0 |
| Number of Main Contacts NO | 0 |
| Nombre de pôles | 4 |
| Power Loss | at Rated Operating Conditions per Pole 0.32 W |
| Rated Control Circuit Voltage (U _c) | 24 V AC |
| Fréquence assignée (f) | Circuit auxiliaire 50 Hz Circuit auxiliaire 60 Hz Circuit auxiliaire DC Circuit de commande 400 Hz Circuit de commande 50 Hz Circuit de commande 60 Hz Circuit principal 60 Hz Circuit principal 50 Hz Circuit principal DC |
| Tension assignée de tenue aux chocs (U _{imp}) | Circuit auxiliaire 6 kV |
| Tension assignée | 690 V |

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| d'isolement (U _i) | acc. to UL/CSA 600 V |
| Courant assignée d'emploi AC-15 (I _e) | (24 V) 4 A (120 V) 4 A (240 V) 4 A (400 V) 3 A (500 V) 2 A |
| Courant assignée d'emploi DC-13 (I _e) | (24 V) 2.5 A (110 V) 0.7 A (220 / 240 V) 0.4 A |
| Tension | Circuit auxiliaire 690 V AC Circuit auxiliaire 250 V DC |
| Recommended Screw Driver | M3 Pozidriv 1 |
| Dispositif de protection contre les courts-circuits | gG Type Fuses 6 A |
| Normes et standards | IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 |
| Type de borne | Screw Terminals |
| Couple de serrage | Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m |
| Wire Stripping Length | Auxiliary Circuit 9 mm |

Technique UL/CSA

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| Connecting Capacity Auxiliary Circuit UL/CSA | Stranded 1/2x 22-10 AWG |
| Contact Rating UL/CSA | A600 |
| General Use Rating UL/CSA | (600 V AC) 5 A |
| Maximum Operating Voltage UL/CSA | 600 V AC |
| Pilot Duty UL/CSA | A600 |
| Tightening Torque UL/CSA | Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb |

Environnement

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| Température de l'air ambiant | Operation -25 ... +55 °C Storage -40 ... +80 °C |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Courant thermique conventionnel à l'air libre (I _{th}) | Auxiliary Circuit 6 A |
| Indice de protection | Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 |
| Altitude de fonctionnement maximale autorisée | 2000 m |
| REACH Declaration | 2CMT2021-006202 |
| Résistance aux chocs selon CEI 60068-2-27 | 11 ms Pulse 15g |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 3g / 3 ... 150 Hz |
| 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)

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|-------------------------------------|---------------------|
| CB Certificate | 1SAA938001-2001 |
| CQC Certificate | CQC2003010304064035 |
| Declaration of Conformity - CCC | 2020980304001309 |
| Déclaration de Conformité - CE | 1SAD101100-3101 |
| Declaration of Conformity - UKCA | 1SAD201100-3101 |
| EAC Certificate | 1SAA938001-2701 |
| Certificat RMRS | 1SAA938001-0704 |
| Certificat UL | E48139-19881213 |

Emballage

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|--------------------------------|---------------|
| Emballage Niveau 1 Unités | 10 pièce |
| Emballage Niveau 1 Largeur | 115 mm |
| Emballage Niveau 1 Longueur | 280 mm |
| Emballage Niveau 1 Hauteur | 54 mm |
| Emballage Niveau 1 Poids | 1.82 kg |
| Emballage Niveau 1 EAN | 4013614410147 |

Classifications

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| eClass | V11.0 : 27371001 |
| E-Number (Finland) | 3709126 |
| E-Number (Sweden) | 3210110 |
| ETIM 6 | EC000196 - contacteur auxiliaire, relais |
| ETIM 7 | EC000196 - Contactor relay |
| ETIM 8 | EC000196 - Contactor relay |
| ETIM 9 | EC000196 - Contactor relay |
| Code de catégorie granulaire IDEA (IGCC) | 4761 >> Magnet contactor, AC-switching |
| Code de classification d'objet | K |
| UNSPSC | 39121529 |

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Mini Contactor Relays

