

PRODUCT-DETAILS

# KC6-31Z-16

## KC6-31Z-16 Mini Contactor Relay 48VDC



### Informations générales

Extension du type de produit	KC6-31Z-16
Code de produit	GJH1213001R1316
EAN	4013614049859
Description courte	KC6-31Z-16 Mini Contactor Relay 48VDC
Description longue	The KC6-31Z 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 noiseless and hum-free coil and a switch position indication.

### Commande

Quantité minimum	1 pièce
Code douanier	85365080
Groupe de produit	KC6

### Downloads Préférés

Fiche produit, informations techniques	1SBC100214C0202
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Instructions et manuels	2CDC102047M6801
CAD Dimensional Drawing	2CDC001079B0201
Schéma dimensionnel	GJL1200436F0001

## Dimensions

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

## Technique

Coil Consumption	Average Holding Value DC 3.5 W Average Pull-in Value DC 3.5 W
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U <sub>c</sub> (at $\theta \leq 55^\circ\text{C}$ )
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Maximum Electrical Switching Frequency	(AC-15) 600 cycles per hour (DC-13) 600 cycles per hour
Durabilite mecanique	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 <sub>c</sub> )	48 V DC
Fréquence assignée (f)	Circuit auxiliaire 50 Hz

	Circuit auxiliaire 60 Hz Circuit auxiliaire DC Circuit de commande DC 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 d'isolement ( $U_i$ )	690 V acc. to UL/CSA 600 V
Courant assignée d'emploi AC-15 ( $I_g$ )	(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 ( $I_g$ )	(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

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

Température de l'air ambiant	Operation -25 ... +55 °C Storage -40 ... +80 °C
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Courant thermique	Auxiliary Circuit 6 A

conventionnel à l'air libre  
(I<sub>th</sub>)

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)

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

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	4013614411083

### Classifications

eClass	V11.0 : 27371001
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)

4763 &gt;&gt; Power contactor, DC switching

Code de classification  
d'objet

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UNSPSC

39121529

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## Catégories

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

