

PRODUCT-DETAILS

# MCRC031ATDD

## MCRC031ATDD Mini Contactor Relay 3NO+1NC 24VDC Diode



### Informations générales

Extension du type de produit	MCRC031ATDD
Code de produit	1SAH113325R9900
EAN	4013614547034
Description courte	MCRC031ATDD Mini Contactor Relay 3NO+1NC 24VDC Diode
Description longue	The MCRC031ATDD mini contactor relay is a dimension optimized 4 pole contactor relay with screw terminals. This device is a great solution when high performances are needed but the space is limited. Mini contactors are used in residential buildings, commercial buildings and industrial applications for switching of control signals up to 6 A / 240 V (AC-15). The product is suitable for wall or rail mounting.

### Commande

Quantité minimum	1 pièce
Code douanier	85365080
Groupe de produit	MCR

### Downloads Préférés

Instructions et manuels	2CDC103061M6801
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	45 mm
Produit Longueur Net	68 mm
Produit Hauteur Net	48 mm
Poids net	0.235 kg

## Technique

Coil Consumption	Average Holding Value DC 3 W Average Pull-in Value DC 3 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 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1x 0.75 ... 4 mm <sup>2</sup> Rigid 2x 0.75 ... 2.5 mm <sup>2</sup>
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>
Maximum Electrical Switching Frequency	(AC-15) 360 cycles per hour (DC-13) 360 cycles per hour
Durabilité mecanique	10000000 cycle
Mini Contactor Type	Mini Contactor Relay
Minimum Mounting Distance	Other Device Same Type, Horizontal 0 mm
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 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	0
Power Loss	at Rated Operating Conditions per Pole 0.4 W
Rated Control Circuit Voltage (U <sub>c</sub> )	24 V DC
Fréquence assignée (f)	Circuit auxiliaire 50 Hz Circuit auxiliaire 60 Hz Circuit auxiliaire DC Circuit de commande DC
Tension assignée de tenue aux chocs (U <sub>imp</sub> )	Circuit auxiliaire 6 kV
Tension assignée d'isolement (U <sub>i</sub> )	750 V
Courant assignée d'emploi AC-15 (I <sub>e</sub> )	(240 V) 6 A (400 V) 4 A (500 V) 2.5 A (690 V) 1.5 A

Courant assignée d'emploi DC-13 ( $I_g$ )	(24 V) 5 A (48 V) 2.5 A (125 V) 0.55 A (250 V) 0.3 A (440 V) 0.15 A
Tension	Circuit auxiliaire 690 V AC Circuit auxiliaire 440 V DC
Recommended Screw Driver	Pozidriv 2
Dispositif de protection contre les courts-circuits	gG Type Fuses 10 A
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-5-1
Type de borne	Screw Terminals
Couple de serrage	Auxiliary Circuit 0.8 ... 1.0 N·m Control Circuit 0.8 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm Control Circuit 9 mm

## Technique UL/CSA

Connecting Capacity Auxiliary Circuit UL/CSA	Stranded 1/2x 18-12 AWG
Contact Rating UL/CSA	A600 Q600
General Use Rating UL/CSA	(600 V AC) 10 A
Maximum Operating Voltage UL/CSA	600 V AC
Pilot Duty UL/CSA	A600 Q600 A600 Q600
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb Main Circuit 7 in·lb

## Environnement

Température de l'air ambiant	Operation -40 ... +70 °C Storage -55 ... +80 °C
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	Auxiliary Circuit 10 A
Indice de protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Altitude de fonctionnement maximale autorisée	3000 m
REACH Declaration	2CMT2021-006202
Résistance aux chocs selon CEI 60068-2-27	11 ms Pulse 25g
Resistance to Vibrations acc. to IEC 60068-2-6	5g / 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)

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**Certificats et Déclarations (Numéro de document)**


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Certificat BV	1SAA971000-0201
CB Certificate	1SAA971001-2001
CQC Certificate	CQC2019010303193580
Declaration of Conformity - CCC	2020980303000255
Déclaration de Conformité - CE	1SAD101100-3201
Declaration of Conformity - UKCA	1SAD201100-3201
Certificat UL	E48139-19880829

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**Emballage**


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Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	46 mm
Emballage Niveau 1 Longueur	49 mm
Emballage Niveau 1 Hauteur	70 mm
Emballage Niveau 1 Poids	0.24 kg
Emballage Niveau 1 EAN	4013614547034
Emballage Niveau 2 Unités	box 10 pièce
Emballage Niveau 2 Largeur	243 mm
Emballage Niveau 2 Longueur	106 mm
Emballage Niveau 2 Hauteur	80 mm
Emballage Niveau 2 Poids	2.46 kg
Emballage Niveau 2 EAN	4013614547430

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**Classifications**


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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 classification d'objet	K
UNSPSC	39121500

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## Catégories

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

