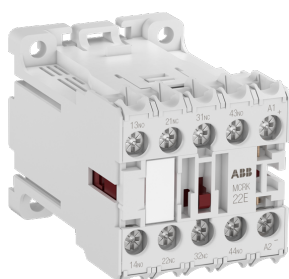


PRODUCT-DETAILS

MCRK031ARD

MCRK031ARD Mini Contactor Relay 3NO+1NC 24VDC 2W



General Information

Extended Product Type	MCRK031ARD
Product ID	1SAH101997R9900
EAN	4013614547911
Catalog Description	MCRK031ARD Mini Contactor Relay 3NO+1NC 24VDC 2W
Long Description	The MCRK031ARD mini contactor relay is a dimension optimized 4 pole contactor relay with special screw terminals for a connection with ring tongue ferrules. 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). Thanks to the very low energy consumption coil, this product can be directly controlled by a PLC. The product is suitable for wall or rail mounting.

Technical

Standards	IEC/EN 60947-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-5-1
Product Name	Mini Contactor Relay
Rated Operational Voltage	Auxiliary Circuit 690 V AC Auxiliary Circuit 440 V DC
Rated Insulation Voltage (U _i)	750 V
Rated Impulse Withstand Voltage (U _{imp})	Auxiliary Circuit 6 kV
Rated Control Circuit	24 V DC

Voltage (U _c)	
Rated Operational Current AC-15 (I _e)	(240 V) 6 A (400 V) 4 A (500 V) 2.5 A (690 V) 1.5 A
Rated Frequency (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit DC
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Power Loss	at Rated Operating Conditions per Pole 0.4 W
Short-Circuit Protective Devices	gG Type Fuses 10 A
Mechanical Durability	10000000 cycle
Number of Poles	0
Number of Main Contacts NC	0
Number of Main Contacts NO	0
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
Low Coil Consumption	Yes
Tightening Torque	Auxiliary Circuit 0.8 ... 1.0 N·m Control Circuit 0.8 N·m
Mini Contactor Type	Mini Contactor Relay
Mounting Type	DIN-Rail Screw
Mounting on DIN Rail	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
Mounting Position	1 ... 6
Recommended Screw Driver	Pozidriv 2
Coil Consumption	Average Holding Value DC 2 W Average Pull-in Value DC 2 W
Wire Stripping Length	Auxiliary Circuit 9 mm Control Circuit 9 mm
Terminal Type	Ring-Tongue Terminals

Environmental

Ambient Air Temperature	Operation -40 ... +70 °C Storage -55 ... +80 °C
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Maximum Operating Altitude Permissible	3000 m
Resistance to Vibrations acc. to IEC 60068-2-6	5g / 3 ... 150 Hz
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 25g
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	1SAC200148H0001

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V AC
General Use Rating	(600 V AC) 10 A

UL/CSA

Connecting Capacity	Stranded 1/2x 18-12 AWG
Auxiliary Circuit UL/CSA	
Contact Rating UL/CSA	A600 Q600
Tightening Torque UL/CSA	Auxiliary Circuit 7 in-lb Control Circuit 7 in-lb Main Circuit 7 in-lb
Pilot Duty of Contact Elements acc. UL508	A600 Q600

Dimensions

Product Net Width	45 mm
Product Net Height	48 mm
Product Net Depth / Length	68 mm
Product Net Weight	0.245 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	46 mm
Package Level 1 Height	70 mm
Package Level 1 Depth / Length	49 mm
Package Level 1 Gross Weight	0.25 kg
Package Level 1 EAN	4013614547911
Package Level 2 Units	box 10 piece
Package Level 2 Width	243 mm
Package Level 2 Height	80 mm
Package Level 2 Depth / Length	106 mm
Package Level 2 Gross Weight	2.56 kg
Package Level 2 EAN	4013614547973

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Bulgaria (BG)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

CB Certificate	1SAA971001-2001
CQC Certificate	CQC2019010303193580
cULus Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980303000255
Declaration of Conformity - CE	1SAD938503-0305
Declaration of Conformity - UKCA	1SAD938501-1305
Environmental Information	1SAC200148H0001
Instructions and	2CDC103061M6801

Manuals	
RoHS Information	1SAD938503-0305

Popular Downloads

Instructions and Manuals	2CDC103061M6801
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Classifications

ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Contactor relay
EPLAN Catalog Tree	Electrical engineering / Relays, contactors / Contactors
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 50 80
UNSPSC	39121500
eClass	V11.0 : 27371001
Object Classification Code	K

Categories

Low Voltage Products and Systems → Control Products → Contactors → Mini Contactor Relays

