



 PRODUCT-DETAILS

MCR022ATDD

MCR022ATDD Mini Contactor Relay 24 V DC 2NO 2NC Screw Terminals



General Information

Extended Product Type:	MCR022ATDD
Product ID:	1SAH113324R9900
EAN:	4013614547133
Catalog Description:	MCR022ATDD Mini Contactor Relay 24 V DC 2NO 2NC Screw Terminals
Long Description:	The MCR022ATDD 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.
Display Name:	MCR022ATDD

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Popular Downloads

EPLAN Data:	9AAC426189_EPLAN
Data Sheet, Technical Information:	1SBC100214C0202
Instructions and Manuals:	2CDC103061M6801
CAD Dimensional Drawing:	2CDC001079B0201

Dimensions

Product Net Width:	45 mm
Product Net Depth / Length:	68 mm
Product Net Height:	48 mm
Product Net Weight:	0.235 kg

Technical

Number of Main Contacts NO:	0
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	2
Number of Auxiliary Contacts NC:	2
Number of Poles:	4P
Standards:	IEC/EN 60947-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-5-1
Rated Operational Voltage:	Auxiliary Circuit 690 V AC Auxiliary Circuit 440 V DC
Rated Frequency (f):	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit DC
Conventional Free-air Thermal Current (I_{th}):	Auxiliary Circuit 10 A
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 Operational Current DC-13 (I_e):	(24 V) 5 A (48 V) 2.5 A (125 V) 0.55 A (250 V) 0.3 A (440 V) 0.15 A
Short-Circuit Protective Devices:	gG Type Fuses 10 A
Rated Insulation Voltage (U_i):	750 V
Rated Impulse Withstand Voltage (U_{imp}):	Auxiliary Circuit 6 kV
Maximum Electrical Switching Frequency:	(AC-15) 360 cycles per hour (DC-13) 360 cycles per hour
Mechanical Durability:	Nr. Operations 10000000 cycle
Minimum Switching Capacity:	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA

Coil Operating Limits:	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Rated Control Circuit Voltage (U_c):	24 V DC
Coil Consumption:	Average Holding Value DC 3 W Average Pull-in Value DC 3 W
Power Loss:	at Rated Operating Conditions per Pole 0.4 W
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
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Ferrule 2x 0.75 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1x 0.75 ... 4 mm ² Rigid 2x 0.75 ... 2.5 mm ²
Connecting Capacity Control Circuit:	Flexible with Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Ferrule 2x 0.75 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 2.5 mm ²
Wire Stripping Length:	Auxiliary Circuit 9 mm Control Circuit 9 mm
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Recommended Screw Driver:	Pozidriv 2
Tightening Torque:	Auxiliary Circuit 0.8 ... 1.0 N·m Control Circuit 0.8 N·m
Terminal Type:	Screw Terminals
Mini Contactor Type:	Mini Contactor Relay
Product Name:	Mini Contactor Relay

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	600 V AC
General Use Rating UL/CSA:	(600 V AC) 10 A
Connecting Capacity Auxiliary Circuit UL/CSA:	Stranded 1/2x 18-12 AWG
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

Environmental

Ambient Air Temperature:	Operation -40 ... +70 °C Storage -55 ... +80 °C
Maximum Operating Altitude Permissible:	3000 m
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 25g

Resistance to Vibrations: 5g 3 ... 150 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	2CMT2021-006202
RoHS Declaration:	2CMT2021-006277
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	2CMT2023-006525
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

A2L Certificate – IEC:	1SAA971000-4601
BV Certificate:	1SAA971000-0201
CB Certificate:	1SAA971001-2001
CQC Certificate:	CQC2019010303193580
Declaration of Conformity - CCC:	2020980303000255
Declaration of Conformity - CE:	1SAD101100-3201
Declaration of Conformity - UKCA:	1SAD201100-3201
UL Certificate:	E48139-19880829

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	46 mm
Package Level 1 Depth / Length:	49 mm
Package Level 1 Height:	70 mm
Package Level 1 Gross Weight:	0.24 kg
Package Level 1 EAN:	4013614547133
Package Level 2 Units:	box 10 piece
Package Level 2 Width:	243 mm
Package Level 2 Depth / Length:	106 mm
Package Level 2 Height:	80 mm
Package Level 2 Gross Weight:	2.46 kg
Package Level 2 EAN:	4013614547546

External Classifications and Standards

Object Classification Code: K

ETIM 7:	EC000196 - Contactor relay
ETIM 8:	EC000196 - Contactor relay
ETIM 9:	EC000196 - Contactor relay
eClass:	V11.0 : 27371001
UNSPSC:	39121500

Categories

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

