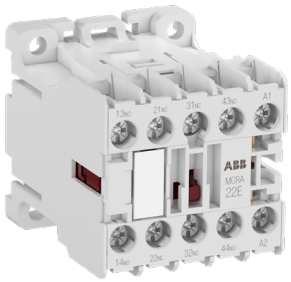
PRODUCT-DETAILS

MCRA004AT1

MCRA004AT1 Mini Contactor Relay 24 V AC - 0 NO - 0 NC - Screw Terminals



General Information

Extended Product Type	MCRA004AT1
Product ID	1SAH102097R9900
EAN	4013614546235
Catalog Description	MCRA004AT1 Mini Contactor Relay 24 V AC - 0 NO - 0 NC - Screw Terminals
Long Description	The MCRA004AT1 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 buldings, 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads

Data Sheet, Technical	1SBC100214C0202 - Chapter 4 (InDesign) - Main catalog Motor Protection

Information	and control
Instructions and Manuals	2CDC103061M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	45 mm
Product Net Depth / Length	56 mm
Product Net Height	48 mm
Product Net Weight	0.17 kg

Technical

Number of Main Contacts NO	0
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	4
Number of Poles	0P
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 50 Hz Control Circuit 60 Hz
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	10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Coil Operating Limits	(acc. to IEC 60947-5-1) for AC supply 0.85 ... 1.1 x Uc (at θ ≤ 55 °C)

Rated Control Circuit Voltage (U_c)	24 V AC
Coil Consumption	Average Holding Value 50 Hz 5.3 V·A Average Pull-in Value 50 Hz 5.3 V·A
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 mm² Flexible with Ferrule 2x 0.75 ... 1.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Flexible 1/2x 0.75 ... 2.5 mm² Rigid 1x 0.75 ... 4 mm² Rigid 2x 0.75 ... 2.5 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm² Flexible with Ferrule 2x 0.75 ... 1.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Flexible 1/2x 0.75 ... 2.5 mm² Rigid 1/2x 0.75 ... 2.5 mm²
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 Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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	58 mm
Package Level 1 Gross Weight	0.175 kg
Package Level 1 EAN	4013614546235
Package Level 2 Units	box 20 piece
Package Level 2 Width	237 mm
Package Level 2 Depth / Length	102 mm
Package Level 2 Height	120 mm
Package Level 2 Gross Weight	3.55 kg
Package Level 2 EAN	4013614546785

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

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