

## INDUSTRIAL COMPONENT DATA

## 1SAH102181R9900 ABB MCRA031AR6 Mini Contactor Relay

Brand: ABB | Manufacturer Part Number: 1SAH102181R9900



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | ABB             |
| MPN / Reference | 1SAH102181R9900 |
| Catalog number  | 102181          |
| Category        | Contactor relay |
| Minimum order   | 1 Pcs           |
| Document ID     | EO-88D975300E   |
| Generated       | 2026-08-04      |

## Product Overview

MCRA031AR6 Mini Contactor Relay

MCRA031AR6Mini Contactor Relay220 ... 230 V AC3NO1NCRing-Tongue Terminals

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification &amp; Catalog Path

Catalog path ABB &gt; Contactors and overload relays

## Additional Product Information

## 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 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 3  
Number of Auxiliary Contacts NC 1  
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 50 Hz  
Control Circuit 60 Hz  
Conventional Free-air Thermal Current (I<sub>th</sub>) Auxiliary Circuit 10 A  
Rated Operational Current AC-15 (I<sub>e</sub>) (240 V) 6 A  
(400 V) 4 A  
(500 V) 2.5 A  
(690 V) 1.5 A  
Rated Operational Current DC-13 (I<sub>e</sub>) (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<sub>i</sub>) 750 V  
Rated Impulse Withstand Voltage (U<sub>imp</sub>) 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 AC supply 0.85 ....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SAH102181R9900 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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