chanhvinh.com

PRODUCT-DETAILS

AA1-110

AA1-110 Shunt Trip 110V



General Information

Extended Product Type	AA1-110
Product ID	1SAM201910R1002
EAN	4013614343322
Catalog Description	AA1-110 Shunt Trip 110V
Long Description	Shunt trips AA1 release manual motor starters used for remote tripping. They are attached laterally on the left side of MS116, MS132 or MS165. In accordance with IEC 60947-1, the manual motor starter is switched off by AA1 if the supply voltage of the shunt trip measured during the tripping operation remains between 70% and 110% of the rated control circuit supply voltage.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads

Data Sheet, Technical	1SBC100214C0202

© 2024 ABB. All rights reserved.

chanhvinh.com

Information	
Instructions and Manuals	2CDC131011M6802 2CDC131034M6801 2CDC131022M6802 2CDC131120M6801 2CDC131081M6801 2CDC131082M6801
Instructions and Manuals (Part 3)	1SBC100214C0202
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	18 mm
Product Net Height	90 mm
Product Net Depth / Length	75.5 mm
Product Net Weight	0.1 kg

Technical

Terminal Type	Screw Terminals
Rated Control Supply Voltage (U_s)	(50 / 60 Hz) 110 V (50 / 60 Hz ON-Period = 5s) 115 ... 200 V (DC ON-Period = 5s) 110 ... 200 V
Rated Frequency (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC
Rated Impulse Withstand Voltage (U_{imp})	Auxiliary Circuit 6 kV
Rated Insulation Voltage (U_i)	690 V
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 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 1 ... 4 mm²
Tightening Torque	Auxiliary Circuit 0.8 ... 1.2 N·m
Wire Stripping Length	Auxiliary Circuit 10 mm
Recommended Screw Driver	Pozidriv 2
Standards	CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-4-1 UL 508 UL 60947-1 UL 60947-4-1
Product Name	Shunt Trip
Suitable For	MS116 MS132 MO132 MS165 MO165
Suitable for Product Class	Manual Motor Starter
Accessory Group	Electrical
Accessory Type	Shunt Trip
Remarks	Please consider 15 min OFF-period after 5s ON-period. The mechanical and electrical durability of manual motor starters in

© 2024 ABB. All rights reserved.

chanhvinh.com

combination with UA1/AA1 is reduced. Values are provided on request.

Technical UL/CSA

Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 16-12 AWG Stranded 1/2x 16-12 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -50 ... +80 °C
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SAA963005-4502
RoHS Information	1SAA963006-4502
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006539
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

ABS Certificate	1SAA963001-0101
BV Certificate	1SAA963002-0201
cUL Certificate	cUL_E137861
Declaration of Conformity - CE	1SAD101100-3411
Declaration of Conformity - UKCA	1SAD201100-3411
DNV GL Certificate	1SAA963001-0304
LR Certificate	1SAA963001-0502 1SAA918001-0501
RINA Certificate	1SAA963002-0802
UL Certificate	UL_E137861

Container Information

Package Level 1 Width	93 mm
Package Level 1 Depth / Length	25 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	0.11 kg
Package Level 1 EAN	4013614343322
Package Level 1 Units	box 1 piece

© 2024 ABB. All rights reserved.

chanhvinh.com

Package Level 2 Width	280 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	9.175 kg
Package Level 2 EAN	4013614526053
Package Level 2 Units	carton 80 piece

Classifications

Object Classification Code	Q
ETIM 4	EC002498 - Accessories for low-voltage switch technology
ETIM 5	EC001023 - Shunt release (for power circuit breaker)
ETIM 6	EC001023 - Shunt release (for power circuit breaker)
ETIM 7	EC001023 - Shunt release (for power circuit breaker)
ETIM 8	EC001023 - Shunt release (for power circuit breaker)
eClass	V11.0 : 27370418
UNSPSC	39121601
IDEA Granular Category Code (IGCC)	4879 >> Shunt release (for power circuit breaker)
E-Number (Finland)	3705825
E-Number (Norway)	4364017

Categories

Low Voltage Products and Systems → Circuit Breakers → Manual Motor Starters

Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters



© 2024 ABB. All rights reserved.