

PRODUCT-DETAILS

# AA1-230

## AA1-230 Shunt Trip



### General Information

Extended Product Type	AA1-230
Product ID	1SAM201910R1003
EAN	4013614343346
Catalog Description	AA1-230 Shunt Trip
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 <u>supply voltage</u> .

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

### Popular Downloads

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	2CDC131011M6802 2CDC131034M6801 2CDC131022M6802 2CDC131120M6801 2CDC131081M6801 2CDC131082M6801
Instructions and Manuals	1SBC100214C0202

(Part 3)

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) 200 ... 240 V (50 / 60 Hz ON-Period = 5s) 250 ... 350 V (DC ON-Period = 5s) 200 ... 350 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 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
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 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.	11 ms Pulse 15g

to IEC 60068-2-27

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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## Certificates and Declarations

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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

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## Container Information

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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	4013614343346
Package Level 1 Units	box 1 piece
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	4013614526060
Package Level 2 Units	carton 80 piece

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## Classifications

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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)	3705826

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## Categories

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

