

## 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      | AA1-230 Shunt Trip 200-240V |

### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85365080 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100192C02-- |
| Instructions and Manuals          | 2CDC131011M6802 |
|                                   | 2CDC131034M6801 |
|                                   | 2CDC131022M6802 |
|                                   | 2CDC131120M6801 |
|                                   | 2CDC131081M6801 |
| CAD Dimensional Drawing           | 2CDC131082M6801 |
|                                   | 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 <sub>s</sub> )      | (50 / 60 Hz) 200 ... 240 V<br>(50 / 60 Hz ON-Period = 5s) 250 ... 350 V<br>(DC ON-Period = 5s) 200 ... 350 V                                                                                                                                                                      |
| Rated Frequency (f)                                 | Auxiliary Circuit 50 Hz<br>Auxiliary Circuit 60 Hz<br>Auxiliary Circuit DC                                                                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | Auxiliary Circuit 6 kV                                                                                                                                                                                                                                                            |
| Rated Insulation Voltage (U <sub>i</sub> )          | 690 V                                                                                                                                                                                                                                                                             |
| Connecting Capacity Auxiliary Circuit               | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup><br>Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>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<br>IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>UL 508<br>UL 60947-1<br>UL 60947-4-1                                                                                                                                                                                     |
| Product Name                                        | Shunt Trip                                                                                                                                                                                                                                                                        |
| Suitable For                                        | MS116<br>MS132<br>MO132<br>MS165<br>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.<br>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<br>Stranded 1/2x 16-12 AWG |
| Tightening Torque UL/CSA                     | Auxiliary Circuit 7 in·lb                          |

## Environmental

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Ambient Air Temperature  | Operation -25 ... +60 °C<br>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

## Certificates and Declarations (Document Number)

|                                     |                 |
|-------------------------------------|-----------------|
| ABS Certificate                     | 1SAA963001-0101 |
| BV Certificate                      | 1SAA963002-0201 |
| cUL Certificate                     | cUL_E137861     |
| Declaration of<br>Conformity - CE   | 1SAD101100-3411 |
| Declaration of<br>Conformity - UKCA | 1SAD201100-3411 |
| DNV GL Certificate                  | 1SAA963001-0304 |
| Instructions and<br>Manuals         | 2CDC131011M6802 |
|                                     | 2CDC131034M6801 |
|                                     | 2CDC131022M6802 |
|                                     | 2CDC131120M6801 |
|                                     | 2CDC131081M6801 |
|                                     | 2CDC131082M6801 |
| LR Certificate                      | 1SAA963001-0502 |
|                                     | 1SAA918001-0501 |
| RINA Certificate                    | 1SAA963002-0802 |
| RoHS Information                    | 1SAD101100-3411 |
| UL Certificate                      | UL_E137861      |

## Container Information

|                                   |                 |
|-----------------------------------|-----------------|
| Package Level 1 Width             | 93 mm           |
| Package Level 1 Depth /<br>Length | 25 mm           |
| Package Level 1 Height            | 80 mm           |
| Package Level 1 Gross<br>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 /<br>Length | 395 mm          |
| Package Level 2 Height            | 210 mm          |
| Package Level 2 Gross<br>Weight   | 9.175 kg        |
| Package Level 2 EAN               | 4013614526060   |
| Package Level 2 Units             | carton 80 piece |

## Classifications

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Object Classification<br>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                                | 39121521                                                 |
| IDEA Granular Category<br>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

