



PRODUCT-DETAILS

# AA1-400

## AA1-400 Shunt Trip 350-415V



General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | AA1-400                                                                                                                                                                                                                                                                                                                                                                                 |
| Product ID            | 1SAM201910R1004                                                                                                                                                                                                                                                                                                                                                                         |
| EAN                   | 4013614343360                                                                                                                                                                                                                                                                                                                                                                           |
| Catalog Description   | AA1-400 Shunt Trip 350-415V                                                                                                                                                                                                                                                                                                                                                             |
| 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 Information | 1SBC100214C0202 |
| Instructions and Manuals          | 2CDC131011M6802 |

|                                      |                 |
|--------------------------------------|-----------------|
|                                      | 2CDC131034M6801 |
|                                      | 2CDC131022M6802 |
|                                      | 2CDC131120M6801 |
|                                      | 2CDC131081M6801 |
|                                      | 2CDC131082M6801 |
| Instructions and Manuals<br>(Part 3) | 1SBC100214C0202 |
| CAD Dimensional<br>Drawing           | 2CDC001079B0201 |

Dimensions

|                               |         |
|-------------------------------|---------|
| Product Net Width             | 18 mm   |
| Product Net Height            | 90 mm   |
| Product Net Depth /<br>Length | 75.5 mm |
| Product Net Weight            | 0.1 kg  |

Technical

|                                                        |                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal Type                                          | Screw Terminals                                                                                                                                                                                                                                                                   |
| Rated Control Supply<br>Voltage (U <sub>s</sub> )      | (50 / 60 Hz) 350 ... 415 V<br>(50 / 60 Hz ON-Period = 5s) 420 ... 500 V<br>(DC ON-Period = 5s) 350 ... 500 V                                                                                                                                                                      |
| Rated Frequency (f)                                    | Auxiliary Circuit 50 Hz<br>Auxiliary Circuit 60 Hz<br>Auxiliary Circuit DC                                                                                                                                                                                                        |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ) | Auxiliary Circuit 6 kV                                                                                                                                                                                                                                                            |
| Rated Insulation Voltage<br>(U <sub>i</sub> )          | 690 V                                                                                                                                                                                                                                                                             |
| Connecting Capacity<br>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<br>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<br>combination with UA1/AA1 is reduced. Values are provided on request.                                                                             |

Technical UL/CSA

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

## Environmental

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

## Material Compliance

|                                                   |                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals<br>Reporting Template<br>(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<br>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<br>- CE   | 1SAD101100-3411                    |
| Declaration of Conformity<br>- UKCA | 1SAD201100-3411                    |
| DNV GL Certificate                  | 1SAA963001-0304                    |
| LR Certificate                      | 1SAA963001-0502<br>1SAA918001-0501 |
| RINA Certificate                    | 1SAA963002-0802                    |
| 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               | 4013614343360   |
| 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               | 4013614526077   |
| 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                             | 39121521                                             |
| IDEA Granular Category Code (IGCC) | 4879 >> Shunt release (for power circuit breaker)    |

Categories

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

