

## PRODUCT-DETAILS

# UA1-400

## UA1-400 Undervoltage Release



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | UA1-400                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 1SAM201904R1006                                                                                                                                                                                                                                                                                                                                      |
| EAN                   | 4013614320477                                                                                                                                                                                                                                                                                                                                        |
| Catalog Description   | UA1-400 Undervoltage Release                                                                                                                                                                                                                                                                                                                         |
| Long Description      | Undervoltage release UA1 releases the manual motor starter or prevents it from being switched on when its voltage supply is interrupted. This can be used in emergency switching circuits or can prevent an automatic restart after voltage interruption. UA1 is attached laterally on the left side of MS116, MS132 or MS165 manual motor starters. |

### Ordering

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

### Popular Downloads

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Data Sheet, Technical Information | 1SBC100214C0202                                                                                                |
| Instructions and Manuals          | 2CDC131011M6802<br>2CDC131034M6801<br>2CDC131022M6802<br>2CDC131120M6801<br>2CDC131081M6801<br>2CDC131082M6801 |
| Instructions and Manuals (Part 3) | 1SBC100214C0202                                                                                                |

**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 Hz) 400 V                                                                                                                                                                                                                                                                     |
| 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                                        | Undervoltage Release                                                                                                                                                                                                                                                              |
| Suitable For                                        | MS116<br>MS132<br>MO132<br>MS165<br>MO165                                                                                                                                                                                                                                         |
| Suitable for Product Class                          | Manual Motor Starter                                                                                                                                                                                                                                                              |
| Accessory Group                                     | Electrical                                                                                                                                                                                                                                                                        |
| Accessory Type                                      | Undervoltage Release                                                                                                                                                                                                                                                              |
| Remarks                                             | 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. to IEC 60068-2-27 | 11 ms Pulse 15g                                    |

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<br>2CDC131034M6801<br>2CDC131022M6802<br>2CDC131120M6801<br>2CDC131081M6801<br>2CDC131082M6801 |
| LR Certificate                      | 1SAA963001-0502<br>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               | 4013614320477   |
| 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               | 4013614526138   |
| Package Level 2 Units             | carton 80 piece |

## Classifications

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Object Classification<br>Code         | Q                                                        |
| ETIM 4                                | EC002498 - Accessories for low-voltage switch technology |
| ETIM 5                                | EC001022 - Under voltage coil                            |
| ETIM 6                                | EC001022 - Under voltage coil                            |
| ETIM 7                                | EC001022 - Under voltage coil                            |
| ETIM 8                                | EC001022 - Under voltage coil                            |
| eClass                                | V11.0 : 27370417                                         |
| UNSPSC                                | 39121521                                                 |
| IDEA Granular Category<br>Code (IGCC) | 4148 >> Under voltage coil                               |
| E-Number (Sweden)                     | 3112031                                                  |

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## Categories

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

