

PRODUCT-DETAILS

# WA4-10

## WA4-10 24VDC Mechanical Latching Unit



### General Information

|                       |                                       |
|-----------------------|---------------------------------------|
| Extended Product Type | WA4-10                                |
| Product ID            | 1ISBN040100R1010                      |
| EAN                   | 3471523131057                         |
| Catalog Description   | WA4-10 24VDC Mechanical Latching Unit |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long Description | <p>The WA4 mechanical latching unit for AF09 ... AF96 contactors and NF contactor relays ensures that the contactor or contactor relay remains switched on even if there is a lack or a failure of voltage. Standard contactors can be easily converted into compact latched contactors.</p> <p>The WA4 block contains a mechanical latching device with electromagnetic impulse unlatching (AC or DC) or manual unlatching.</p>                                                                             |
|                  | <p><b>Operation</b></p> <p>After closing, the contactor continues to be held in the closed position by the latching mechanism should the supply voltage fail at the contactor coil terminals.</p> <p>Contactor opening can be controlled:</p> <ul style="list-style-type: none"> <li>• electrically by an impulse (AC or DC) on the WA4 block coil (the coil is not designed to be permanently energized)</li> <li>• manually by pressing the pushbutton on the front face of the WA4 block.</li> </ul>      |
|                  | <p><b>Mounting</b></p> <p>The WA4 block is clipped onto the front face of the 1-stack up two slots in central position (see fig. below).</p> <p>The two other slots may accept CA4 single pole auxiliary contacts (1 block on each side of the mechanical latch).</p> <p>Additional CAL4 can be fitted on the side of the contactor in respect to the total number of built-in or additional N.O. and N.C. auxiliary contacts as described in the accessory fitting details part of each contactor type.</p> |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### Ordering

|     |               |
|-----|---------------|
| EAN | 3471523131057 |
|-----|---------------|

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85389099 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 19.8 mm  |
| Product Net Height         | 41 mm    |
| Product Net Depth / Length | 67.4 mm  |
| Product Net Weight         | 0.065 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 72 mm         |
| Package Level 1 Height         | 44 mm         |
| Package Level 1 Depth / Length | 25 mm         |
| Package Level 1 Gross Weight   | 0.08 kg       |
| Package Level 1 EAN            | 3471523131057 |

## Environmental

|             |                                   |
|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
|-------------|-----------------------------------|

## Technical UL/CSA

|                             |                       |
|-----------------------------|-----------------------|
| Tightening Torque<br>UL/CSA | Control Circuit 11 IA |
|-----------------------------|-----------------------|

## Additional Information

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Connecting Capacity | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm²         |
| Control Circuit     | Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² |
|                     | Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² |
|                     | Rigid 1/2x 1 ... 2.5 mm²                            |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medium Description | <p>WA4 Mechanical Latching Unit is front-mounted on AF09 ... AF65 contactors and NF contactor relay. It ensures that they remain switched on, even if there is a lack or a failure of voltage. After closing, the contactor continues to be held in the closed position by the latching mechanism, should the supply voltage at the contactor coil terminals fail. Contactor opening can be controlled electrically by an impulse (AC or DC) on the WA4 block coil, or manually by pressing the pushbutton on the front face of the WA4 block. Speed up your project by selecting quickly the WA4 coil thanks to a wide range of control voltages from 24 to 500 V 50/60 Hz - DC (WA4-11, 12, 13, 14). And also by extending your 24 V DC control solutions with a direct PLC control by 24V DC 500 mA (WA4-10). Optimum interface: 25% less compact than other market solutions, interface relay already included for direct control by PLC 24 V DC 500 mA, let enough space on AF to fix front or side-mounted auxiliary contacts in addition. Optimize your logistic by reducing your stock and increasing your solution proposal: standard contactors can be easily converted into compact latched contactors.</p> |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Order Multiple                                  | 1 piece                          |
| Product Main Type                               | Accessories for Block Contactors |
| Product Name                                    | Mechanical Latching Unit         |
| Rated Control Circuit Voltage (U <sub>c</sub> ) | DC Operation 24 V                |
| RoHS Date                                       | 20171115                         |
| Suitable For                                    | AF09                             |

|                       |                         |
|-----------------------|-------------------------|
|                       | AF12                    |
|                       | AF16                    |
|                       | AF26                    |
|                       | AF30                    |
|                       | AF38                    |
|                       | NF                      |
| Tightening Torque     | Control Circuit 1.2 N·m |
| Wire Stripping Length | Control Circuit 10 mm   |

Certificates and Declarations (Document Number)

|                                    |                         |
|------------------------------------|-------------------------|
| CB Certificate                     | CB_HU-002678            |
| CCC Certificate                    | CCC_2018010303063035    |
| CQC Certificate                    | CQC2018010303063035     |
| Declaration of Conformity<br>- CCC | 2020980303000186        |
| Declaration of Conformity<br>- CE  | 1SBD250020U1000         |
| EAC Certificate                    | EAC_RU C-FR ME77 B02940 |
| Environmental Information          | 1SBD250196E1000         |
| Instructions and Manuals           | 1SBC101046M6801         |
| RoHS Information                   | 1SBD250020U1000         |
| UL Certificate                     | UL_20160705-E312527     |
| UL Listing Card                    | UL_E312527              |

Classifications

|               |                                                            |
|---------------|------------------------------------------------------------|
| ETIM 4        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 5        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 6        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 7        | EC002498 - Accessories for low-voltage switch technology   |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors Accessories

