# E297-16-10/24

## E297-16-10/24 Installation relay



## General Information

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|---|---|
| Extended Product Type | E297-16-10/24 |
| Product ID | 2TAZ311000R2041 |
| EAN | 7612270940028 |
| Catalog Description | E297-16-10/24 Installation relay |
| Long Description | Installation relays are electromagnetically operated miniature contactors in the standard DIN width of 18 mm. A reliable control system can be designed using these ABB Installation relays E297. They are used mainly in industrial plants but also in commercial and public buildings. As a rule, installation relays operated by means of a control switch (maintained contact) are installed where it is necessary to operate lighting, an air-conditioning system, a fan or suchlike. Installation relays are also referred to as monostable switching relays or 2-pole miniature contactors. The term "monostable" means that an on command has to be sent to the coil by means of a control switch (maintained operation) in order to excite the magnetic coil. The coil armature attracts and closes or opens the main contacts. The device remains in the on position for as long as the control voltage is applied to the coil. If the voltage flow to the coil is interrupted, the installation relay always returns to the neutral position (off position). Installation relays and the accessories are available in different versions in order to easily satisfy the various market requirements. Their optimal switching capacity also makes them suitable for use in industrial environments and in situations where it is necessary to ensure control over more powerful consumers (such as e.g. multiple lighting ystems). Using an optimized coil (low power loss = lower operating temperature) ensures a clean and safe operation in the electrical distribution board. |

## Ordering

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| E-Number (Sweden) | 4001181 |
| EAN | 7612270940028 |
| Minimum Order Quantity | 10 piece |

| Customs Tariff Number | 85364930 |
|---|---|

## Dimensions

| | |
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| Product Net Width | 18 mm |
| Product Net Height | 85 mm |
| Product Net Length | 62 mm |
| Product Net Depth / Length | 62 mm |
| Product Net Weight | 113 g |

## Container Information

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|---|---|
| Package Level 1 Units | 10 piece |
| Package Level 1 Width | 96 mm |
| Package Level 1 Height | 82 mm |
| Package Level 1 Depth / Length | 185 mm |
| Package Level 1 Gross Weight | 1206 g |
| Package Level 1 EAN | 7612270940028 |

## Environmental

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|---|---|
| RoHS Status | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Additional Information

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|---|---|
| Connecting Capacity | Solid 1 x 1 ... 10 mm² |
| | Flexible 2 x 2.5 mm² |
| | Flexible with Cable End 1 x 0.75 ... 6 mm² |
| | Flexible with Cable Lug 1 x 0.75 ... 6 mm² |
| Frequency (f) | Control Voltage 1 0 ... 50 Hz |
| | Control Voltage 2 0 ... 50 Hz |
| Function | Mechanical |
| Mounting Type | Din-Rail |
| Number of Auxiliary Contacts NO | 1 |
| Number of Main Contacts NO | 1 |
| Options Provided | 1NO |
| Product Main Type | E297 |
| Product Name | Installation relay |
| Rated Control Supply Voltage ($U_s$) | 24 V AC |
| | 24 V DC |
| Rated Current ($I_n$) | 16 A |
| Rated Frequency (f) | 50...60 Hz |
| Rated Insulation Voltage ($U_i$) | 24 V AC/DC |
| Rated Operational Voltage | 250 V AC |
| RoHS Date | 20170426 |
| Supply Voltage | 250...250 V |

## Certificates and Declarations (Document Number)

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|---|---|
| Data Sheet, Technical | 2CCC441020C0201 |

| Information | |
|---|---|
| Declaration of Conformity - CE | 2CCC441016D0201 |
| Environmental Information | 2CCC441012D0202 |
| Instructions and Manuals | 2CCC441006M0801 |
| RoHS Information | 2CCC413008D0206 |

## Classifications

| | |
|---|---|
| ETIM 4 | EC001652 - Installation relay |
| ETIM 5 | EC001652 - Installation relay |
| ETIM 6 | EC001652 - Installation relay |
| ETIM 7 | EC001652 - Installation relay |
| Object Classification Code | K |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling devices → Installation Relays