

## PRODUCT-DETAILS

# E290-16-20/12

# E290-16-20/12



## General Information

|                       |                 |
|-----------------------|-----------------|
| Extended Product Type | E290-16-20/12   |
| Product ID            | 2TAZ312000R2052 |
| EAN                   | 7612270939688   |
| Catalog Description   | E290-16-20/12   |

### Long Description

Latching relays are electromagnetically operated devices. The E290 range from ABB can be used to realise a simple, energy saving and efficient lighting control system. These devices are mainly used in private houses, factory premises and commercial and public buildings as well as in industrial plants. As a rule, latching relays controlled by means of impulse buttons are installed where it is necessary for lighting to be operated from at least three different places. Each time a command is initiated (by means of an impulse button), an electrical pulse is applied to the coil of the latching relay. The coil in the device is briefly energised and activated. That short pulse to the coil leads to the mechanical latch of the internal main contacts. The internal switching mechanism enables us to achieve a safe and reliable interlock (in the same way as a ballpoint pen). Each pulse that is sent to the magnetic coil system switches the device to its previous position where it is held mechanically until the next control pulse is received. The devices are designed for rated currents 16 and 32A. Through the combinable accessories the main modules can be used in nearly all market applications.

## Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 7612270939688 |
| Minimum Order Quantity | 10 piece      |
| Customs Tariff Number  | 85364930      |

## Dimensions

|                            |       |
|----------------------------|-------|
| Product Net Width          | 18 mm |
| Product Net Height         | 85 mm |
| Product Net Length         | 62 mm |
| Product Net Depth / Length | 62 mm |
| Product Net Weight         | 122 g |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 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   | 1296 g        |
| Package Level 1 EAN            | 7612270939688 |

## Environmental

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

## Additional Information

|                                                |                                                                                                                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connecting Capacity                            | Solid 1 x 1 ... 10 mm <sup>2</sup><br>Flexible 2 x 2.5 mm <sup>2</sup><br>Flexible with Cable End 1 x 0.75 ... 6 mm <sup>2</sup><br>Flexible with Cable Lug 1 x 0.75 ... 6 mm <sup>2</sup> |
| Current Rating, Main Switch                    | 16 A                                                                                                                                                                                       |
| Frequency (f)                                  | Control Voltage 1 50 ... 50 Hz                                                                                                                                                             |
| Function                                       | Electronic for centralized control                                                                                                                                                         |
| Mounting Type                                  | DIN rail                                                                                                                                                                                   |
| Number of Auxiliary Contacts NO                | 2                                                                                                                                                                                          |
| Number of Main Contacts NO                     | 2                                                                                                                                                                                          |
| Options Provided                               | 2NO                                                                                                                                                                                        |
| Power Loss                                     | 0.64 W                                                                                                                                                                                     |
| Product Main Type                              | E290                                                                                                                                                                                       |
| Product Name                                   | Electromechanical latching relay                                                                                                                                                           |
| Rated Control Supply Voltage (U <sub>s</sub> ) | 12 V AC                                                                                                                                                                                    |
| Rated Current (I <sub>N</sub> )                | 16 A                                                                                                                                                                                       |
| Rated Frequency (f)                            | 50 Hz                                                                                                                                                                                      |
| Rated Insulation Voltage (U <sub>i</sub> )     | 12 V AC                                                                                                                                                                                    |
| Rated Operational Voltage                      | 250 V AC                                                                                                                                                                                   |
| RoHS Date                                      | 20170426                                                                                                                                                                                   |
| Supply Voltage                                 | 250...250 V                                                                                                                                                                                |

## Certificates and Declarations (Document Number)

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

|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of<br>Conformity - CE | 2CCC005102D0201 |
| Environmental<br>Information      | 2CCC441012D0202 |
| Instructions and<br>Manuals       | 2CCC441005M0801 |
| RoHS Information                  | 2CCC413008D0206 |

**Classifications**

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| ETIM 4                        | EC000188 - Latching relay                                  |
| ETIM 5                        | EC000188 - Latching relay                                  |
| ETIM 6                        | EC000188 - Latching relay                                  |
| ETIM 7                        | EC000188 - Latching relay                                  |
| Object Classification<br>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 → Latching Relays

