PRODUCT-DETAILS

E297-16-20/48

E297-16-20/48 Installation relay



General Information

Extended Product Type	E297-16-20/48
Product ID	2TAZ311000R2032
EAN	7612270940158
Catalog Description	E297-16-20/48 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

EAN	7612270940158
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	121 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	1286 g
Package Level 1 EAN	7612270940158

Environmental

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

Additional Information

Connecting Capacity	Solid 1 x 1 ... 10 mm^2 Flexible 2 x 2.5 mm^2 Flexible with Cable End 1 x 0.75 ... 6 mm^2 Flexible with Cable Lug 1 x 0.75 ... 6 mm^2
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	2
Number of Main Contacts NO	2
Options Provided	2NO
Power Loss	1 W
Product Main Type	E297
Product Name	Installation relay
Rated Control Supply Voltage (U_s)	48 V AC 48 V DC
Rated Current (I_n)	16 A
Rated Frequency (f)	50...60 Hz
Rated Insulation Voltage (U_i)	48 V AC/DC
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 Conformity - CE	2CCC005103D0201
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

