

PRODUCT-DETAILS

E297-16-11/230

E297-16-11/230 Installation relay



General Information

Extended Product Type	E297-16-11/230
Product ID	2TAZ311000R2013
EAN	7612270940110
Catalog Description	E297-16-11/230 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 systems). Using an optimized coil (low power loss = lower operating temperature) ensures a clean and safe operation in the electrical distribution board.

Technical

Function	Monostable installation relay
Rated Operational Voltage	250 V AC
Supply Voltage	250...250 V
Rated Insulation Voltage (U _i)	230 V AC/DC
Rated Control Supply Voltage (U _s)	230 V AC
Rated Current (I _n)	16 A
Frequency (f)	Control Voltage 1 0 ... 50 Hz Control Voltage 2 0 ... 50 Hz
Rated Frequency (f)	50...60 Hz
Power Loss	0.5 W
Number of Contacts CO	0
Number of Contacts NC	1
Number of Contacts NO	1
Number of Main Contacts NC	1
Number of Main Contacts NO	1
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Mounting Type	DIN-Rail
Options Provided	1NO+1NC
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

Material Compliance

RoHS Information	2CCC005103D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20170426
REACH Declaration	2CCC005047D0201
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Environmental Information	2CCC441012D0202
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Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	85 mm
Product Net Depth / Length	62 mm
Product Net Weight	121 g
Built-In Depth (t ₂)	62 mm

Ordering

Package Level 1 Units	box 10 piece
Package Level 1 Gross Weight	1286 g
E-Number (Sweden)	4001180

Certificates and Declarations

Declaration of Conformity - CE	2CCC005103D0201
Declaration of Conformity - UKCA	9AKK108467A6140

Installation

Instructions and Manuals	2CCC441006M0801
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Popular Downloads

Data Sheet, Technical Information	2CCC441020C0201
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Classifications

ETIM 8	EC001652 - Installation relay
ETIM 9	EC001652 - Installation relay
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85362020
eClass	V11.0 : 27142309
Object Classification Code	K

Categories

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

