

PRODUCT-DETAILS

E297-16-10/24

E297-16-10/24 Installation relay



Informations générales

| | |
|------------------------------|----------------------------------|
| Extension du type de produit | E297-16-10/24 |
| Code de produit | 2TAZ311000R2041 |
| EAN | 7612270940028 |
| Description courte | E297-16-10/24 Installation relay |

| | |
|--------------------|--|
| Description longue | <p>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.</p> |
|--------------------|--|

Technique

| | |
|---|---|
| Normes et standards | EN 60669-1 EN 60669-2-2 |
| Tension nominale (U_r) | 250 V AC |
| Tension | 250 V AC |
| Tension d'alimentation | 21.6... 26.4 V AC |
| Tension assignée d'isolement (U_i) | 24 V AC/DC |
| Rated Control Supply Voltage (U_s) | 24 V AC 24 V DC |
| Tension assignée de tenue aux chocs (U_{imp}) | 4 kV |
| Rated Control Circuit Voltage (U_c) | 24 V AC 24 V DC |
| Courant nominal (I_n) | 16 A |
| Maximum Control Current DC | 8 A |
| Fréquence assignée (f) | 50 .. 60 Hz |
| Maximum Lamp Load | 3000 W Flourescent, Uncorrected Power Factor (cos. 0.5) 1800 W Flourescent, Corrected Power Factor (cos. 0.9): Serial 3000 W Flourescent, Corrected Power Factor (cos. 0.9): Parallel 2500 W Flourescent, Corrected Power Factor (cos. 0.9): Single 1800 W Flourescent, Corrected Power Factor (cos. 0.9): Double 2500 W |
| Power Loss | 0.5 W |
| Number of Contacts CO | 0 |
| Number of Contacts NC | 0 |
| Number of Contacts NO | 1 |
| Number of Main Contacts NC | 0 |
| Number of Main Contacts NO | 1 |
| Number of Auxiliary Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 0 |
| Niveau sonore dB (A) | (@distance 1 m) 60 dB |
| Couple de serrage | 1.2 - 1.5 N·m |
| Durée de Réponse | <3 ms |
| Contact Type | Normally Open (NO) |
| Type de montage | DIN-Rail |
| Options Provided | 1NO |
| Coil Consumption | Control Voltage V AC 24 V AC Average Pull-in Value 50 Hz 2.80 A Average Holding Value 50 Hz 1.701 W Average Holding Value 50 Hz 0.090 A Control Voltage V AC 24 V DC Average Pull-in Value 50 Hz 2.80 A Average Holding Value 50 Hz 1.701 W Average Holding Value 50 Hz 0.090 A |
| RAL Number | RAL 7035 - Gris clair |
| Couleur | Grey |
| 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 mm²
Flexible with Cable Lug 1 x 0.75 ... 6 mm²

Environnement

| | |
|---|--|
| Température de l'air ambiant | Operation -25...+55 °C Storage -40...+70 °C |
| Statut RoHS | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Informations RoHS | 2CCC005103D0201 |
| REACH Declaration | 2CCC005047D0201 |
| Informations environnementales | 2CCC441012D0202 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Technique UL/CSA

| | |
|-------------------------------------|------|
| Short-Circuit Current Rating (SCCR) | 3 kA |
|-------------------------------------|------|

Dimensions

| | |
|---|-----------------|
| Width in Number of Modular Spacings | 1 |
| Produit Largeur Net | 18 mm |
| Produit Hauteur Net | 85 mm |
| Produit Longueur Net | 62 mm |
| Poids net | 113 g |
| Profondeur d'encastrement (t ₂) | 62 mm |
| Schéma dimensionnel | 9AKK107992A6188 |

Commande

| | |
|---------------------------|--------------|
| Emballage Niveau 1 Unités | box 10 pièce |
| Emballage Niveau 1 Poids | 1206 g |
| E-Number (Sweden) | 4001181 |

Certificats et Déclarations (Numéro de document)

| | |
|----------------------------------|-------------------|
| Déclaration de Conformité - CE | 2CCC005103D0201 |
| Declaration of Conformity - UKCA | 9AKK108467A6140 |
| EAC Certificate | 9AKK107992A1778 |
| VDE Certificate | VDE_E297_40041228 |

Installation

Instructions et manuels 2CCC441006M0801

Downloads Préférés

Fiche produit, informations techniques 2CCC441020C0201

Classifications

| | |
|--------------------------------|--|
| ETIM 8 | EC001652 - Installation relay |
| ETIM 9 | EC001652 - Installation relay |
| Catégorie DEEE | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |
| CN8 | 85362020 |
| eClass | V11.0 : 27142309 |
| Code de classification d'objet | K |

Accessories

| Identifiant | Description | Type | Quantity | Unit Of Measure |
|-----------------|---|-------------|----------|-----------------|
| 2CCA704320R0001 | E298-16-20 Main contact module 16A, 2NO | E298-16-20 | 10 | piece |
| 2CCA704321R0001 | E298-16-11 Main contact module 16A, 1NO+1NC | E298-16-11 | 10 | piece |
| 2CCA704322R0001 | E298-16-001 Main contact module 16A, 1CO | E298-16-001 | 10 | piece |
| 2CCA704340R0001 | E299-11 Auxiliary contact 5A, 1NO+1NC | E299-11 | 10 | piece |
| 2CCA704341R0001 | E299-20 Auxiliary contact | E299-20 | 10 | piece |
| 2CCS500900R0181 | ZLS725 Spare parts | ZLS725 | 10 | piece |
| 2CCS400900R0091 | ZLS726 Spare parts | ZLS726 | 10 | piece |

Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Command and Signalling Devices → Installation Relays



