

PRODUCT-DETAILS

E291S-16-20/8

E291S-16-20/8 Sequential latching relay



Algemene informatie

| | |
|---------------|---|
| Type | E291S-16-20/8 |
| Artikelnummer | 2TAZ313000R2062 |
| EAN | 7612270939916 |
| Omschrijving | E291S-16-20/8 Sequential latching relay |

Omschrijving

Latching relays are electromagnetically operated devices. The E290 range from ABB can be used to realise a simple, energysaving 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 back 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.

Technical

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|--------|------------------------------------|
| Normen | IEC/EN 60669-1 IEC/EN 60669-2-2 |
|--------|------------------------------------|

| Functie | Electronic for centralized control |
|---|--|
| Toegekende spanning (U_r) | 250 V AC |
| Nominaal bedrijfsvoltage | 250 V AC |
| Voedingsspanning | 250 ... 250 V |
| Nominaal isolatievoltage (U_i) | 8 V AC |
| Nominaal stuurvoltage (U_s) | 250 V AC |
| Nominale impuls grensvoltage (U_{imp}) | 4 kV |
| Ingangsspanningstype | AC |
| Nominale stuurstroomkringspanning (U_c) | 8 V AC |
| Toegekende stroom (I_n) | 16 A |
| Nominaal stroombereik, hoofdschakelaar | 16 A |
| Maximale schakelstroom | 32 A |
| Frequentie (f) | Control Voltage 1 50 Hz Control Voltage 2 50 Hz |
| Toegekende frequentie (f) | 50 Hz |
| Max. gloeilampbelasting | Fluorescent (Parallel Compensated) 4000 W Fluorescent (Parallel Compensated) Incandescent, 4000 V·A Fluorescent (Parallel Compensated) Fluorescent, 3200 V·A Fluorescent (Parallel Compensated) FluDuoCir, 3200 A |
| Vermogensverlies | 0.64 W |
| Aantal contacten CO | 0 |
| Aantal contacten NC | 1 |
| Aantal contacten NO | 2 |
| Aantal hoofdcontacten NC | 1 |
| Aantal hoofdcontacten NO | 1 |
| Aantal hulpcontacten NO | 2 |
| Geluid dB (A) | (@distance 1 m) 60 dB |
| Aanhaalmoment | 1.2 - 1.5 N·m |
| Reactietijd | <3 ms |
| Contact Type | Normally Open (NO) |
| Montagetype | DIN-Rail |
| Opties | 2NO |
| Spoelverbruik | Control Voltage V AC 8 V AC Average Pull-in Value 50 Hz 1.088 A |
| RAL-nummer | RAL 7035 - Lichtgrijs |
| Kleur | Grey |

Environmental

| | |
|---------------------------|--|
| Omgevingsluchttemperatuur | Werking -25...+55 °C Opslag -40...+70 °C |
| RoHS-status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

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|---------------------------------------|---|
| RoHS-informatie | 2CCC005102D0201 |
| REACH-verklaring | 2CCC005047D0201 |
| Milieu-informatie | 2CCC441012D0202 |
| Climate Class Reference Standards | IEC 60068-2-2 - Deals with dry heat tests applicable both to heat-dissipating and non heat-dissipating specimens IEC 60068-2-30 - Determines the suitability of components, equipment or other articles for use, transportation and storage under conditions of high humidity - combined with cyclic temperature changes and, in general, producing condensation on the surface of the specimen. IEC 60068-2-1 - Deals with cold tests applicable to both non heat-dissipating and heat-dissipating specimens |
| Rapport over conflictmineralen (CMRT) | 9AKK108468A3363 |

Technical UL/CSA

| | |
|------------------------------|------|
| Kortsluitstroomwaarde (SCCR) | 3 kA |
|------------------------------|------|

Dimensions

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|--------------------------------|-----------------|
| Breedte in module-eenheden | 1 |
| Product netto breedte | 18 mm |
| Product netto hoogte | 85 mm |
| Product netto diepte | 58 mm |
| Product netto gewicht | 110 g |
| Inbouwdiepte (t ₂) | 68 mm |
| Dimensiediagram | 9AKK107992A6189 |

Ordering

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|----------------------------|--------------|
| Minimale bestelhoeveelheid | 10 stuk |
| Pakketniveau 1 Units | doos 10 stuk |
| Pakketniveau 1 Brutoweight | 1176 g |

Certificates and Declarations

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|----------------------------------|-------------------|
| Conformiteitsverklaring - CE | 2CCC005102D0201 |
| Declaration of Conformity - UKCA | 9AKK108467A6139 |
| EAC-certificaat | 9AKK107992A1778 |
| VDE-certificaat | VDE E29x_40040851 |

Installation

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|----------------|-----------------|
| Instructies en | 2CCC441010M1202 |
|----------------|-----------------|

handleidingen

Popular Downloads

Gegevensblad, technische informatie

2CCC441020C0201

Classifications

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|--------------------------|--|
| ETIM 8 | EC000188 - Bistabiel relais |
| ETIM 9 | EC000188 - Bistabiel relais |
| WEEE-categorie | 5. Small Equipment (No External Dimension More Than 50 cm) |
| AEEA B2C / B2B | Business To Consumer |
| CN8 | 85362020 |
| eClass | V11.0 : 27142306 |
| Object classificatiecode | K |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|--|-------------|----------|-----------------|
| 2CCA704300R0001 | E292-16-20 Main Contact Module | E292-16-20 | 10 | piece |
| 2CCA704301R0001 | E292-16-11 Main Contact Module | E292-16-11 | 10 | piece |
| 2CCA704302R0001 | E292-16-001 Main Contact Module | E292-16-001 | 10 | piece |
| 2TAZ312001R2043 | E294/24 Central on-off Switching Module | E294/24 | 5 | piece |
| 2TAZ312001R2013 | E294/230 Central on-off Switching Module | E294/230 | 5 | piece |
| 2TAZ312005R1003 | E295-PS Permanent Signal Module | E295-PS | 10 | piece |
| 2TAZ310002R1000 | E295-GM Group Module | E295-GM | 10 | piece |
| 2TAZ310003R1000 | E296-CP Compensator | E296-CP | 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 |

Categorieën

Laagspanningsproducten en -systemen → Modulaire DIN rail producten → Command and Signalling Devices → Latching Relays

