

PRODUCT-DETAILS

E290-16-11/12

E290-16-11/12 Electromechanical latching relay



Algemene informatie

Type	E290-16-11/12
Artikelnummer	2TAZ312000R2053
EAN	7612270939800
Omschrijving	E290-16-11/12 Electromechanical latching relay

Omschrijving

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.

Technical

Normen	IEC/EN 60669-1 IEC/EN 60669-2-2
Functie	Electronic for centralized control
Nominaal bedrijfsvoltage	250 V AC
Voedingsspanning	10.8 ... 13.2 V AC
Nominaal isolatievoltage (U _i)	12 V AC

Nominaal stuurvoltage (U_s)	250 V AC
Nominale impuls grensvoltage (U_{imp})	4 kV
Ingangsspanningstype	AC
Nominale stuurstroomkringspanning (U_c)	12 V AC
Toegekende stroom (I_n)	16 A
Nominaal stroombereik, hoofdschakelaar	16 A
Maximale schakelstroom	cos phi = 0.6 16 A
Frequentie (f)	Control Voltage 1 50 Hz
Toegekende frequentie (f)	50 Hz
Max. gloeilampbelasting	Fluorescent (Parallel Compensated) 3000 W Fluorescent (Parallel Compensated) Incandescent, 3000 V-A Fluorescent (Parallel Compensated) Fluorescent, 2500 V-A Fluorescent (Parallel Compensated) FluDuoCir, 2500 A
Vermogensverlies	0.5 W
Aantal contacten CO	0
Aantal contacten NC	1
Aantal contacten NO	1
Aantal hoofdcontacten NC	1
Aantal hoofdcontacten NO	1
Aantal hulpcontacten NC	0
Aantal hulpcontacten NO	0
Geluid dB (A)	(@distance 1 m) 60 dB
Aanhaalmoment	1.2 - 1.5 N·m
Reactietijd	<3 ms
Impulse Duration	Minimum 50 ms
Montagetype	DIN-Rail
Opties	1NO+1NC
Spoelverbruik	Control Voltage V AC 12 V AC Average Pull-in Value 50 Hz 1.263 A
RAL-nummer	RAL 7035 - Lichtgrijs
Kleur	Grey
Verbindingscapaciteit	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

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
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
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Dimensions

Breedte in module-eenheden	1
Product netto breedte	18 mm
Product netto hoogte	85 mm
Product netto diepte	62 mm
Product netto gewicht	122 g
Inbouwdiepte (t ₂)	68 mm
Dimensiediagram	9AKK107992A6188

Ordering

Minimale bestelhoeveelheid	10 stuk
Pakketniveau 1 Units	doos 10 stuk
Pakketniveau 1 Brutogewicht	1296 g

Certificates and Declarations

Conformiteitsverklaring - CE	2CCC005102D0201
Declaration of Conformity - UKCA	9AKK108467A6139
EAC-certificaat	9AKK107992A1778
VDE-certificaat	VDE E29x 40040851

Installation

Instructies en handleidingen	2CCC441005M0801
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Popular Downloads

Gegevensblad, technische informatie	2CCC441020C0201
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Classifications

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

