

PRODUCT-DETAILS

E290-16-10/230

E290-16-10/230 Electromechanical latching relay



General information

Udvidet produkttype	E290-16-10/230
Produkt ID	2TAZ312000R2011
EAN	7612270939602
Katalogbeskrivelse	E290-16-10/230 Electromechanical latching relay

Lang beskrivelse

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.

Tekniske data

Standarder	IEC/EN 60669-1 IEC/EN 60669-2-2
Funktion	Electronic for centralized control
Mærke driftsspænding	250 V AC

Forsyningsspænding	207 ... 253 V AC
Mærke	230 V AC
isolationsspænding (U _i)	110 V DC
Nominel styrespænding (U _s)	250 V AC
Mærke impulsmodstandsspænding (U _{imp})	4 kV
Input spændingstype	AC
Nominel styrespænding (U _c)	230 V AC 110 V DC
Mærkestrøm (I _n)	16 A
Strømværdi, hovedafbryder	16 A
Maksimal koblingsstrøm	cos phi = 0.6 16 A
Frekvens (f)	Control Voltage 1 50 Hz
Mærkefrekvens (f)	50 Hz
Maksimal lampebelastning	Lysrør (parallel kompenseret) 3000 W Lysrør (parallel kompenseret) Incandescent, 3000 V-A Lysrør (parallel kompenseret) Fluorescent, 2500 V-A Lysrør (parallel kompenseret) FluDuoCir, 2500 A
Tabseffekt	0.32 W
Antal kontakter CO	0
Antal kontakter NC	0
Antal kontakter NO	1
Antal hovedkontakter NC	0
Antal hovedkontakter NO	1
Antal hjælpekontakter NC	0
Antal hjælpekontakter NO	0
Lyd dB (A)	(@distance 1 m) 60 dB
Tilspændingsmoment	1.2 - 1.5 N·m
Responstid	<3 ms
Impulsvarighed	Minimum 50 ms
Kontakttype	Normally Open (NO)
Monteringstype	DIN rail
OptionsProvided	1NO
Spoleforbrug	Styrespænding V AC 230 V AC 0.062 A Styrespænding V DC 110 V DC Gennemsnitlig trækkeværdi 50Hz 0.057 A
RAL nummer	RAL 7035 - Lys grå
Farve	Grey
Tilslutningskapacitet	Massiv 1 x 1 ... 10 mm ² Fleksibel 2 x 2.5 mm ² Fleksibel 1 x 0.75 ... 6 mm ² Fleksibel med kabelsko 1 x 0.75 ... 6 mm ²

Miljødata

Omgivende lufttemperatur	Drift -25...+55 °C Lager -40...+70 °C
RoHS Status	Overholder EU direktiv 2011/65/EU og tilføjelse 2015/863 July 22, 2019
RoHS-oplysninger	2CCC005102D0201
REACH-erklæring	2CCC005047D0201
Miljøoplysninger	2CCC441012D0202
Referencestandarder for klimaklasse	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

Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
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Tekniske data UL/CSA

Short-Circuit Current Rating (SCCR)	3 kA
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Dimensioner

Bredde i antal DIN-moduler	1
Produktets nettobredde	18 mm
Produktets nettohøjde	85 mm
Produktets nettodybde/længde	62 mm
Produktets nettovægt	114 g
Indbygget dybde (t ₂)	68 mm

Bestilling

Minimum ordremængde	10 styk
Pakke niveau 1 enheder	Boks 10 styk
Pakkeniveau 1 bruttovægt	1216 g
Toldtarifnummer	85364930
E-nummer (Finland)	2712535
E-nummer (Sverige)	4001186
Oprindelsesland	Kina (CN)

Certifikater og deklarationer

Overensstemmelseserklæring - CE	2CCC005102D0201
Overensstemmelseserklæring - UKCA	9AKK108467A6139
EAC certifikat	9AKK107992A1778
VDE certifikat	VDE E29x_40040851

Klassificeringer

ETIM 8	EC000188 - Latching relay
ETIM 9	EC000188 - Latching relay
WEEE-kategori	5. Småt udstyr (ingen ydre dimension over 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85362020
eClass	V11.0 : 27142306
Objektklassifikationskode	K

Kategorier

Lavspændingsmateriel → DIN-skinmateriel → Command and Signalling Devices → Latching Relays

