PRODUCT-DETAILS

E290-16-10/24

E290-16-10/24 Electromechanical latching relay

Algemene informatie

Type	E290-16-10/24
Artikelnummer	2TAZ312000R2041
EAN	7612270939572
Omschrijving	E290-16-10/24 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
Nominaal bedrijfsvoltage	250 V AC
Voedingsspanning	21.6... 26.4 V AC
Nominaal isolatievoltage	24 V AC

(U_i)	12 V DC
Nominaal stuurvoltage (U_s)	24 V AC 12 V DC
Nominale impuls grensvoltage (U_{imp})	4 kV
Nominale stuurstroomkringspanning (U_c)	24 V AC 12 V DC
Toegekende stroom (I_n)	16 A
Nominaal stroombereik, hoofdschakelaar	16 A
Maximale schakelstroom	16 A
Toegekende frequentie (f)	50 Hz
Max. gloeilampbelasting	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
Vermogensverlies	0.32 W
Aantal contacten CO	0
Aantal contacten NC	0
Aantal contacten NO	1
Aantal hoofdcontacten NC	0
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
Contact Type	Normally Open (NO)
Montagetype	DIN rail
Geleverde opties	1NO
Spoelverbruik	Control Voltage V AC 24 V AC Average Pull-in Value 50 Hz 0.434 A Control Voltage V DC 12 V DC Average Pull-in Value 50 Hz 0.558 A
RAL-nummer	RAL 7035 - Lichtgrijs
Kleur	Grey
Verbindingscapaciteit	Solid 1 x 1 ... 10 mm² Flexible 2 x 2.5 mm² Flexible with Cable End 1 x 0.75 ... 6 mm² Flexible with Cable Lug 1 x 0.75 ... 6 mm²

Environmental

Omgevingsluchttemperatuur	Operation -25...+55 °C Storage -40...+70 °C
RoHS-status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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

Technical UL/CSA

Kortsluitstroomwaarde (SCCR)	3 kA

Dimensions

Breedte in module-eenheden	1
Product netto breedte	18 mm
Product netto hoogte	85 mm
Product netto diepte	62 mm
Product netto gewicht	114 g
Product netto lengte	62 mm
Inbouwdiepte (t_2)	68 mm

Container Information

Pakketniveau 1 Units	box 10 stuk
Pakketniveau 1 Breedte	96 mm
Pakketniveau 1 Hoogte	82 mm
Pakketniveau 1 Lengte	185 mm
Pakketniveau 1 Brutogewicht	1216 g
Pakketniveau 1 EAN	7612270939572

Ordering

Minimale bestelhoeveelheid	10 stuk
Nummer douanetarief	85364930
E-Number (Finland)	2712533
E-Number (Sweden)	4001185
Land van herkomst	China (CN)

Certificates and Declarations (Document Number)

Conformiteitsverklaring - CE	2CCC005102D0201
EAC-certificaat	9AKK107992A1778
Milieu-informatie	2CCC441012D0202
Instructies en handleidingen	2CCC441005M0801
RoHS-informatie	2CCC413008D0206
VDE-certificaat	VDE E29x_40040851

Popular Downloads

Gegevensblad, technische informatie	2CCC441020C0201
Instructies en handleidingen	2CCC441005M0801
Dimensiediagram	9AKK107992A6188

Classifications

ETIM 7	EC000188 - Latching relay
ETIM 8	EC000188 - Latching relay
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

Categorieën

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