

PRODUCT-DETAILS

E290-16-20/12

E290-16-20/12 Electromechanical latching relay



Algemene informatie

Type	E290-16-20/12
Artikelnummer	2TAZ312000R2052
EAN	7612270939688
Omschrijving	E290-16-20/12 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.
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Technical

Normen	IEC/EN 60669-1 IEC/EN 60669-2-2
Nominaal bedrijfsvoltage	250 V AC
Voedingsspanning	10.8 ... 13.2 V AC
Nominaal isolatievoltage	12 V AC

(U _i)	
Nominaal stuurvoltage (U _s)	12 V AC
Nominale impuls grens voltage (U _{imp})	4 kV
Nominale stuurstroomkringspanning (U _c)	12 V AC
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	0.64 W
Aantal contacten CO	0
Aantal contacten NC	0
Aantal contacten NO	2
Aantal hoofdcontacten NC	0
Aantal hoofdcontacten NO	2
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	2NO
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	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
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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
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	1296 g
Pakketniveau 1 EAN	7612270939688

Ordering

Minimale bestelhoeveelheid	10 stuk
Nummer douanetarief	85364930
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)
WEEE B2C / B2B	Business To Consumer
CN8	85362020
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	pack
2CCS400900R0091	ZLS726 Spare parts	ZLS726	10	pack

Categorieën

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

