

PRODUCT-DETAILS

E290-16-10/48-60

E290-16-10/48-60 Electromechanical latching relay



General Information

Extended Product Type	E290-16-10/48-60
Product ID	2TAZ352000R2031
EAN	7612271504359
Catalog Description	E290-16-10/48-60 Electromechanical latching relay

Long Description

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

Standards	IEC 60669-1 IEC 60669-2-2
Product Name	Electromechanical latching relay
Supply Voltage	43.2 ... 52.8 V AC
Rated Impulse	4 kV
Withstand Voltage (U _{imp})	

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Rated Control Circuit Voltage (U _c)	48 V AC
Rated Frequency (f)	60 Hz
Maximum Lamp Load	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
Power Loss	0.32 W
Number of Contacts CO	0
Number of Contacts NO	1
Number of Main Contacts NC	0
Number of Main Contacts NO	1
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	0
Sound dB (A)	(@distance 1 m) 60 dB
Tightening Torque	1.2 - 1.5 N·m
Response Time	<6 ms
Contact Type	Normally Open (NO)
Coil Consumption	Control Voltage V AC 48 V AC Average Pull-in Value 60 Hz 0.212 A
RAL Number	RAL 7035 - Light Grey
Color	Grey

Environmental

Ambient Air Temperature	Operation -25...+55 °C Storage -40...+70 °C
RoHS Status	Following EU Directive 2011/65/EU

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	3 kA
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Dimensions

Product Net Width	18 mm
Product Net Height	85 mm
Product Net Depth / Length	62 mm
Product Net Weight	111 g

Container Information

Package Level 1 Units	box 10 piece
Package Level 1 Width	100 mm
Package Level 1 Height	83 mm
Package Level 1 Depth / Length	185 mm
Package Level 1 Gross Weight	1184 g
Package Level 1 EAN	7612271504359

Ordering

Minimum Order Quantity	10 piece
Customs Tariff Number	85364930
Country of Origin	China (CN)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005102D0201
Instructions and Manuals	2CCC441011M121
RINA Certificate	9AKK107492A6315
RoHS Information	2CCC413008D0204

Popular Downloads

Data Sheet, Technical Information	2CCC441020C0201
Instructions and Manuals	2CCC441011M121
Dimension Diagram	9AKK107992A6182

Classifications

ETIM 7	EC000188 - Latching relay
ETIM 8	EC000188 - Latching relay
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85364930
Object Classification Code	K

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCA704306R0001	E292-16-11-60 Main Contact Module	E292-16-11-60	10	piece
2CCA704305R0001	E292-16-20-60 Main Contact Module	E292-16-20-60	10	piece
2CCA704307R0001	E292-16-001-60 Main Contact Module	E292-16-001-60	10	piece
2TAZ352001R2013	E294/230-60 Central on-off Switching Module	E294/230-60	5	piece
2TAZ352001R2043	E294/24-60 Central on-off Switching Module	E294/24-60	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
2CCA704342R0001	E299-11-60 Auxiliary contact 5A, 1NO+1NC	E299-11-60	10	piece
2CCA704343R0001	E299-20-60 Auxiliary contact 5A, 1NO+1NC	E299-20-60	10	piece
2CCS500900R0181	ZLS725 Spare parts	ZLS725	10	pack
2CCS400900R0091	ZLS726 Spare parts	ZLS726	10	pack

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Latching Relays

