



 PRODUCT-DETAILS

E290-16-10/24DC

Electromechanical Latching Relay



General Information

Extended Product Type	E290-16-10/24DC
Product ID	2TAZ352000R2071
EAN	7612271504472
Catalog Description	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
Function	Mechanical latching relay
Supply Voltage	250 ... 250 V
Rated Control Supply Voltage (U _s)	250 V AC
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Input Voltage Type	AC
Rated Control Circuit Voltage (U _c)	24 V DC
Rated Current (I _n)	16 A
Current Rating, Main Switch	16 A
Maximum Control Current DC	5 A
Frequency (f)	Control Voltage 1 60 Hz
Rated Frequency (f)	60 Hz
Power Loss	0.32 W
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)
Mounting Type	DIN-Rail
Coil Consumption	Control Voltage V DC 24 V DC Average Pull-in Value 60 Hz 0.207 A
RAL Number	RAL 7035 - Light Grey
Color	Grey

Material Compliance

RoHS Information	2CCC005102D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20190425
REACH Declaration	2CCC005047D0201
REACH Date	20190425
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25...+55 °C Storage -40...+70 °C
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Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	85 mm
Product Net Depth / Length	62 mm
Product Net Weight	114 g
Dimension Diagram	9AKK107992A6182

Ordering

Package Level 1 Units	box 10 piece
Package Level 1 Gross Weight	1216 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC005102D0201
Declaration of Conformity - UKCA	9AKK108467A6139
RINA Certificate	9AKK107492A6315

Installation

Instructions and Manuals	2CCC441011M121
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Popular Downloads

Data Sheet, Technical Information	2CCC441020C0201
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Classifications

ETIM 8	EC000188 - Latching relay
ETIM 9	EC000188 - Latching relay
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85364930
eClass	V11.0 : 27142306
Object Classification Code	K

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCA704306R0001	Main Contact Module	E292-16-11-60	10	piece
2CCA704305R0001	Main Contact Module	E292-16-20-60	10	piece
2CCA704307R0001	Main Contact Module	E292-16-001-60	10	piece
2TAZ352001R2013	Central on-off Control Module	E294/230-60	5	piece
2TAZ352001R2043	Central on-off Control Module	E294/24-60	5	piece
2TAZ312005R1003	Permanent Signal Module	E295-PS	10	piece
2TAZ310002R1000	Group Module	E295-GM	10	piece
2TAZ310003R1000	Compensator	E296-CP	10	piece
2CCA704342R0001	Auxiliary Contact	E299-11-60	10	piece
2CCA704343R0001	Auxiliary Contact	E299-20-60	10	piece
2CCS500900R0181	Spare parts	ZLS725	10	piece
2CCS400900R0091	Spare parts	ZLS726	10	piece

Categories

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

