



PRODUCT-DETAILS

E290-32-10/48

E290-32-10/48 Electromechanical Latching Relay



General Information	
Extended Product Type	E290-32-10/48
Product ID	2TAZ322000R2031
EAN	7612270939640
Catalog Description	E290-32-10/48 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/EN 60669-1 IEC/EN 60669-2-2

Function	Mechanical latching relay
Supply Voltage	250 ... 250 V
Rated Insulation Voltage (U _i)	48 V AC 24 V DC
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)	48 V AC 24 V DC
Rated Current (I _n)	32 A
Current Rating, Main Switch	32 A
Maximum Switching Current	cos phi = 0.6 32 A
Maximum Control Current DC	8 A
Frequency (f)	Control Voltage 1 50 Hz
Rated Frequency (f)	50 Hz
Maximum Lamp Load	Fluorescent (Parallel Compensated) 4000 W Fluorescent (Parallel Compensated) Incandescent, 4000 V-A Fluorescent (Parallel Compensated) Fluorescent, 3200 V-A Fluorescent (Parallel Compensated) FluDuoCir, 3200 A
Power Loss	1.2 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	<3 ms
Impulse Duration	Minimum 50 ms
Contact Type	Normally Open (NO)
Mounting Type	DIN-Rail
Coil Consumption	Control Voltage V AC 48 V AC Average Pull-in Value 50 Hz 0.212 A Control Voltage V DC 24 V DC Average Pull-in Value 50 Hz 0.207 A
RAL Number	RAL 7035 - Light Grey
Color	Grey
Connecting Capacity	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

Material Compliance

RoHS Information	2CCC005102D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20170426
REACH Declaration	2CCC005047D0201
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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

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
Built-In Depth (t ₂)		68 mm
Dimension Diagram		9AKK107992A6188

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
VDE Certificate		VDE E29x 40040851

Installation		
Instructions and Manuals		2CCC441005M0801

Popular Downloads		
Data Sheet, Technical Information		2CCC441020C0201

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		85362020
eClass		V11.0 : 27142306
Object Classification Code		K

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSM277333R1801	E 9F10 GG05 Fuse link	E 9F10 GG05	1	piece
2CSM277113R1801	E 9F10 GG1 Fuse link	E 9F10 GG1	1	piece
2CSM258723R1801	E 9F10 GG2 Fuse link	E 9F10 GG2	1	piece
2CSM257543R1801	E 9F10 GG4 Fuse link	E 9F10 GG4	1	piece
2CSM256363R1801	E 9F10 GG6 Fuse link	E 9F10 GG6	1	piece
2CSM258633R1801	E 9F10 GG8 Fuse link	E 9F10 GG8	1	piece
2CSM257453R1801	E 9F10 GG10 Fuse link	E 9F10 GG10	1	piece
2CSM256273R1801	E 9F10 GG12 Fuse link	E 9F10 GG12	1	piece
2CSM277543R1801	E 9F10 GG16 Fuse link	E 9F10 GG16	1	piece
2CSM277323R1801	E 9F10 GG20 Fuse link	E 9F10 GG20	1	piece
2CSM277103R1801	E 9F10 GG25 Fuse link	E 9F10 GG25	1	piece
2CSM258713R1801	E 9F10 GG32 Fuse link	E 9F10 GG32	1	piece
2CSM257473R1801	E 9F10 AM05 Fuse link	E 9F10 AM05	1	piece
2CSM256293R1801	E 9F10 AM1 Fuse link	E 9F10 AM1	1	piece
2CSM277563R1801	E 9F10 AM2 Fuse link	E 9F10 AM2	1	piece
2CSM277343R1801	E 9F10 AM4 Fuse link	E 9F10 AM4	1	piece
2CSM277123R1801	E 9F10 AM6 Fuse link	E 9F10 AM6	1	piece
2CSM258733R1801	E 9F10 AM8 Fuse link	E 9F10 AM8	1	piece
2CSM257553R1801	E 9F10 AM10 Fuse link	E 9F10 AM10	1	piece
2CSM256373R1801	E 9F10 AM12 Fuse link	E 9F10 AM12	1	piece
2CSM258643R1801	E 9F10 AM16 Fuse link	E 9F10 AM16	1	piece
2CSM257463R1801	E 9F10 AM20 Fuse link	E 9F10 AM20	1	piece
2CSM256283R1801	E 9F10 AM25 Fuse link	E 9F10 AM25	1	piece
2CSM277553R1801	E 9F10 AM32 Fuse link	E 9F10 AM32	1	piece
2CCS500900R0181	ZLS725 Spare parts	ZLS725	1	piece
2CCS400900R0091	ZLS726 Spare parts	ZLS726	1	piece

Categories

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

