

PRODUCT-DETAILS

E290-16-20/12

E290-16-20/12 Electromechanical latching relay



Informations générales

Extension du type de produit	E290-16-20/12
Code de produit	2TAZ312000R2052
EAN	7612270939688
Description courte	E290-16-20/12 Electromechanical latching relay

Description longue

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.

Technique

Normes et standards	IEC/EN 60669-1 IEC/EN 60669-2-2
Tension	250 V AC
Supply Voltage	10.8 ... 13.2 V AC

Tension assignée d'isolement (U_i)	12 V AC
Rated Control Supply Voltage (U_s)	12 V AC
Tension assignée de tenue aux chocs (U_{imp})	4 kV
Rated Control Circuit Voltage (U_c)	12 V AC
Courant nominal (I_n)	16 A
Current Rating, Main Switch	16 A
Maximum Switching Current	16 A
Fréquence assignée (f)	50 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	0.64 W
Number of Contacts CO	0
Number of Contacts NC	0
Number of Contacts NO	2
Number of Main Contacts NC	0
Number of Main Contacts NO	2
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
Durée de Réponse	<3 ms
Impulse Duration	Minimum 50 ms
Contact Type	Normally Open (NO)
Type de montage	DIN rail
Options Provided	2NO
Coil Consumption	Control Voltage V AC 12 V AC Average Pull-in Value 50 Hz 1.263 A
RAL Number	RAL 7035 - Gris clair
Couleur	Grey
Connecting Capacity	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

Environnement

Température de l'air ambiant	Operation -25...+55 °C Storage -40...+70 °C
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

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

Technique UL/CSA

Short-Circuit Current Rating (SCCR)

3 kA

Dimensions

Width in Number of Modular Spacings

1

Produit Largeur Net

18 mm

Produit Hauteur Net

85 mm

Produit Longueur Net

62 mm

Poids net

122 g

Produit Longueur Net

62 mm

Profondeur d'encastrement (t_2)

68 mm

Emballage

Emballage Niveau 1 Unités

box 10 pièce

Emballage Niveau 1 Largeur

96 mm

Emballage Niveau 1 Hauteur

82 mm

Emballage Niveau 1 Longueur

185 mm

Emballage Niveau 1 Poids

1296 g

Emballage Niveau 1 EAN

7612270939688

Commande

Quantité minimum

10 pièce

Code douanier

85364930

Pays d'origine

China (CN)

Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE

2CCC005102D0201

EAC Certificate

9AKK107992A1778

Environmental Information

2CCC441012D0202

Instructions et manuels	2CCC441005M0801
RoHS Information	2CCC413008D0206
VDE Certificate	VDE E29x_40040851

Popular Downloads

Fiche produit, informations techniques	2CCC441020C0201
Instructions et manuels	2CCC441005M0801
Dimension Diagram	9AKK107992A6188

Classifications

ETIM 7	EC000188 - Latching relay
ETIM 8	EC000188 - Latching relay
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
DEEE B2C / B2B	Business To Consumer
CN8	85362020
Object Classification Code	K

Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
2CCA704300R0001	E292-16-20 Main Contact Module	E292-16-20	10	pièce
2CCA704301R0001	E292-16-11 Main Contact Module	E292-16-11	10	pièce
2CCA704302R0001	E292-16-001 Main Contact Module	E292-16-001	10	pièce
2TAZ312001R2043	E294/24 Central on-off Switching Module	E294/24	5	pièce
2TAZ312001R2013	E294/230 Central on-off Switching Module	E294/230	5	pièce
2TAZ312005R1003	E295-PS Permanent Signal Module	E295-PS	10	pièce
2TAZ310002R1000	E295-GM Group Module	E295-GM	10	pièce
2TAZ310003R1000	E296-CP Compensator	E296-CP	10	pièce
2CCA704340R0001	E299-11 Auxiliary contact 5A, 1NO+1NC	E299-11	10	pièce
2CCA704341R0001	E299-20 Auxiliary contact	E299-20	10	pièce
2CCS500900R0181	ZLS725 Spare parts	ZLS725	10	pack
2CCS400900R0091	ZLS726 Spare parts	ZLS726	10	pack

Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Command and Signalling Devices → Latching Relays

