

PRODUCT-DETAILS

E298-16-20

E298-16-20 Main contact module 16A, 2NO



General Information

Extended Product Type	E298-16-20
Product ID	2CCA704320R0001
EAN	7612270939961
Catalog Description	E298-16-20 Main contact module 16A, 2NO

Long Description

Installation relays are electromagnetically operated miniature contactors in the standard DIN width of 18 mm. A reliable control system can be designed using these ABB Installation relays E297. They are used mainly in industrial plants but also in commercial and public buildings. As a rule, installation relays operated by means of a control switch (maintained contact) are installed where it is necessary to operate lighting, an air-conditioning system, a fan or suchlike. Installation relays are also referred to as monostable switching relays or 2-pole miniature contactors. The term "monostable" means that an on command has to be sent to the coil by means of a control switch (maintained operation) in order to excite the magnetic coil. The coil armature attracts and closes or opens the main contacts. The device remains in the on position for as long as the control voltage is applied to the coil. If the voltage flow to the coil is interrupted, the installation relay always returns to the neutral position (off position). Installation relays and the accessories are available in different versions in order to easily satisfy the various market requirements. Their optimal switching capacity also makes them suitable for use in industrial environments and in situations where it is necessary to ensure control over more powerful consumers (such as e.g. multiple lighting systems). Using an optimized coil (low power loss = lower operating temperature) ensures a clean and safe operation in the electrical distribution board.

Technical

Standards	EN 60669-1 EN 60669-2-2
Product Name	Main contact module 16A, 2NO

Function	Mechanical
Rated Voltage (U_r)	250 V AC
Rated Operational Voltage	250 V AC
Supply Voltage	250...250 V
Rated Control Circuit Voltage (U_c)	20 V DC
Rated Current (I_n)	16 A
Maximum Control Current DC	5 A
Rated Frequency (f)	50 .. 60 Hz
Minimum Switching Capacity	24 V 10 mA
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 NO	2
Tightening Torque	1.2 - 1.5 N·m
Contact Type	Normally Open (NO)
Mounting Type	DIN rail
RAL Number	RAL 7035 - Light Grey
Color	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

Environmental

Ambient Air Temperature	Operation -25...+55 °C Storage -40...+70 °C
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Environmental Information	2CCC441012D0202

Dimensions

Width in Number of Modular Spacings	0.5
Product Net Width	9 mm
Product Net Height	85 mm
Product Net Depth / Length	58 mm
Product Net Weight	45 g
Product Net Length	58 mm
Built-In Depth (t_2)	62 mm

Container Information

Package Level 1 Units	box 10 piece
Package Level 1 Width	96 mm
Package Level 1 Height	82 mm
Package Level 1 Depth /	185 mm

Length

Package Level 1 Gross Weight	539 g
Package Level 1 EAN	7612270939961

Ordering

Minimum Order Quantity	10 piece
Customs Tariff Number	85364930
E-Number (Switzerland)	505990102
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005103D0201
EAC Certificate	9AKK107992A1778
Environmental Information	2CCC441012D0202
Instructions and Manuals	2CCC441006M0801
RoHS Information	2CCC413008D0206
VDE Certificate	VDE_E297_40041228

Popular Downloads

Data Sheet, Technical Information	2CCC441020C0201
Instructions and Manuals	2CCC441006M0801
Dimension Diagram	9AKK107992A6182

Classifications

ETIM 6	EC001652 - Installation relay
ETIM 7	EC001652 - Installation relay
ETIM 8	EC001652 - Installation relay
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85362020
Object Classification Code	K

Categories

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

