



 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	<p>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.</p>
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Technical

Standards	EN 60669-1 EN 60669-2-2
Function	Mechanical installation relay main contact module
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 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

Material Compliance

RoHS Information	2CCC005103D0201
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

Dimensions

Width in Number of Modular Spacings	0.5
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Product Net Width	9 mm
Product Net Height	85 mm
Product Net Depth / Length	58 mm
Product Net Weight	45 g
Built-In Depth (t ₂)	62 mm
Dimension Diagram	9AKK107992A6182

Ordering

Package Level 1 Units	box 10 piece
Package Level 1 Gross Weight	539 g
E-Number (Switzerland)	505990102

Certificates and Declarations

Declaration of Conformity - CE	2CCC005103D0201
Declaration of Conformity - UKCA	9AKK108467A6140
VDE Certificate	VDE_E297_40041228

Installation

Instructions and Manuals	2CCC441006M0801
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Popular Downloads

Data Sheet, Technical Information	2CCC441020C0201
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Classifications

ETIM 8	EC001652 - Installation relay
ETIM 9	EC001652 - Installation relay
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85362020
eClass	V11.0 : 27142309
Object Classification Code	K

Categories

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

