

Product datasheet

Specifications



sub-base for plug-in relay ABE7 - 16 channels - fuses - relay 10 mm

ABE7P16T214

Price: 8,407.64 ZAR

Main

| | |
|--------------------------------|---|
| Range Of Product | Modicon ABE7 |
| Product Or Component Type | Sub-base for plug-in relay |
| Sub-Base Type | Output sub-base |
| [Us] Rated Supply Voltage | 19...30 V conforming to IEC 61131-2 |
| Number Of Channels | 16 |
| Connections - Terminals | Screw type terminals, 1 x 0.09...1 x 1.5 mm ² (AWG 28...AWG 16) flexible with cable end Screw type terminals, 1 x 0.14...1 x 2.5 mm ² (AWG 26...AWG 12) solid Screw type terminals, 1 x 0.14...1 x 2.5 mm ² (AWG 26...AWG 14) flexible without cable end Screw type terminals, 2 x 0.09...2 x 0.75 mm ² (AWG 28...AWG 20) flexible with cable end Screw type terminals, 2 x 0.2...2 x 2.5 mm ² (AWG 24...AWG 14) solid |
| Channel Additional Information | 1 switch disconnecter per channel |

Complementary

| | |
|--|--|
| Supply Voltage Type | DC |
| Product Compatibility | ABR7S2. ABS7SA2. ABS7SC2. ABE7ACC20 |
| Status Led | 1 LED per channel (green) channel status 1 LED (green) power ON |
| Polarity Distribution | Volt-free |
| Short-Circuit Protection | 1 A internal fuse, 5 x 20 mm, fast blow (PLC end) 0.5 A fuse per channel, 5 x 20 mm, fast blow (output circuit) |
| Fixing Mode | By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit) |
| Maximum Supply Current | 1 A |
| Voltage Drop On Power Supply Fuse | 0.3 V |
| Maximum Current Per Output Common | 16 A |
| [Ui] Rated Insulation Voltage | 300 V coil circuit/contact circuits conforming to IEC 60947-1 2000 V terminals/mounting rails |
| [Uimp] Rated Impulse Withstand Voltage | 2.5 kV |
| Installation Category | II conforming to IEC 60664-1 |
| Tightening Torque | 0.6 N.m with flat Ø 3.5 mm screwdriver |
| Net Weight | 0.675 kg |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Environment

| | |
|--|--|
| Product Certifications | CSA GL DNV UL EAC |
| Ip Degree Of Protection | IP2X conforming to IEC 60529 |
| Resistance To Incandescent Wire | 750 °C conforming to IEC 60695-2-11 |
| Shock Resistance | 15 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration Resistance | 2 gn (f= 10...150 Hz) conforming to IEC 60068-2-6 |
| Resistance To Electrostatic Discharge | 4 kV (contact) level 3 conforming to IEC 61000-4-2 8 kV (air) level 3 conforming to IEC 61000-4-2 |
| Resistance To Radiated Fields | 10 V/m (26000000...1000000000 Hz) conforming to IEC 61000-4-3 level 3 |
| Resistance To Fast Transients | 2 kV level 3 conforming to IEC 61000-4-4 |
| Ambient Air Temperature For Operation | -5...60 °C conforming to IEC 61131-2 |
| Ambient Air Temperature For Storage | -40...80 °C conforming to IEC 61131-2 |
| Pollution Degree | 2 conforming to IEC 60664-1 |

Packing Units

| | |
|-------------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 8 cm |
| Package 1 Width | 9.6 cm |
| Package 1 Length | 22 cm |
| Package 1 Weight | 647 g |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 12 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 8.258 kg |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

RoHS Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)

China RoHS Regulation [China RoHS declaration](#)

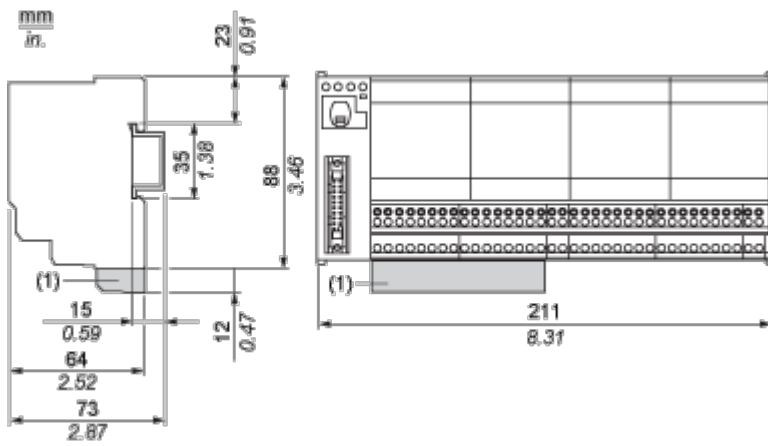
Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Dimensions Drawings

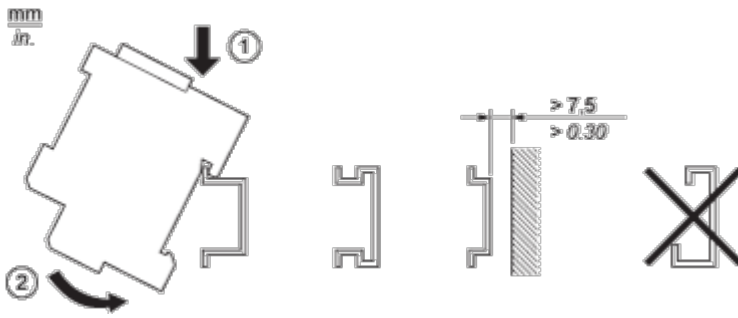
Dimensions



(1) ABE7BV10 / BV20, ABE7BV10E / BV20E

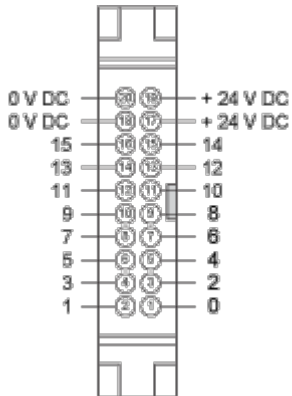
Mounting and Clearance

Mounting

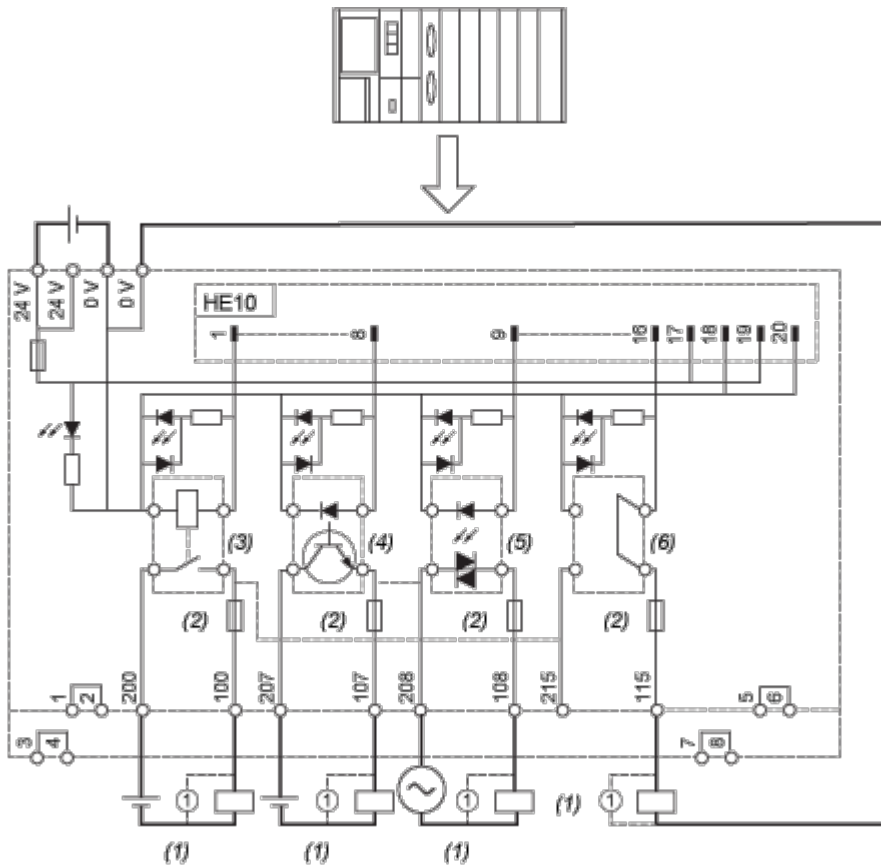


Connections and Schema

HE10 16 Channels



Wiring Diagram

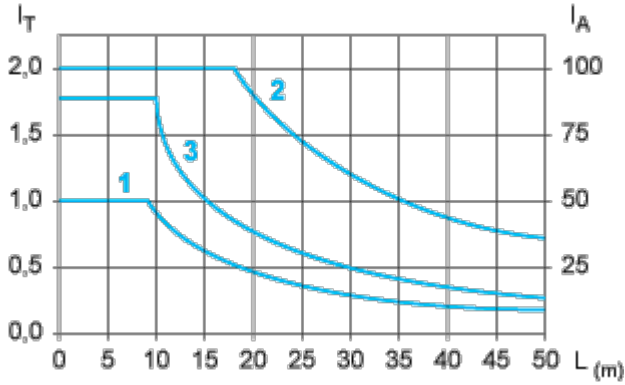


- (1) Inductive load
- (2) Fuse only for ABE7P16T214
- (3) ABR7S21 (1 "F"/SPDT) (not supplied)
- (4) ABS7SC2E (5...48 VDC) I max. = 0.5 A (not supplied)
- (5) ABS7SA2M (24...240 VAC) I max. = 0.5 A (not supplied)
- (6) ABE7ACC20 (24 VDC) (not supplied/not isolated)

Performance Curves

Curves for Determining Cable Type and Length According to the Current

16-channel Sub-base



L Cable length

I_T Total current per sub base (A)

I_A Average current per channel (mA)

- (1) TSXCDP••2 and ABFH20H••0 cables with c.s.a. 0.08 mm² (AWG 28).
- (2) TSXCDP••3 cables with c.s.a. 0.34 mm² (AWG 22).
- (3) Cables with c.s.a. 0.13 mm² (AWG 26).

The curves are given for a voltage drop of 1 V in the cable. For n volts tolerance, multiply the length determined from the graph by n.

Temperature Derating Curves

