

# Product data sheet

Specifications

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



ABE7P16T210

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### 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 IEC 61131-2
Number of channels	16
Connections - terminals	Screw type terminals, 1 x 0.09...1 x 1.5 mm <sup>2</sup> AWG 28...AWG 16) flexible with cable end Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> AWG 26...AWG 12) solid Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> AWG 26...AWG 14) flexible without cable end Screw type terminals, 2 x 0.09...2 x 0.75 mm <sup>2</sup> AWG 28...AWG 20) flexible with cable end Screw type terminals, 2 x 0.2...2 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) solid

### Complementary

supply voltage type	DC
Product Compatibility	ABS7SC2. ABR7S2. ABS7SA2. 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)
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 IEC 60947-1 2000 V terminals/mounting rails
[Uimp] rated impulse withstand voltage	2.5 kV
Installation category	II IEC 60664-1
Tightening torque	5.3 lbf.in (0.6 N.m) flat Ø 3.5 mm
Product Weight	1.356 lb(US) (0.615 kg)

### Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Product Certifications</b>	GL CSA UL DNV EAC
<b>IP degree of protection</b>	IP2X conforming to IEC 60529
<b>Resistance to incandescent wire</b>	1382 °F (750 °C) IEC 60695-2-11
<b>Shock resistance</b>	15 gn 11 ms IEC 60068-2-27
<b>Vibration resistance</b>	2 gn (f= 10...150 Hz) conforming to IEC 60068-2-6
<b>Resistance to electrostatic discharge</b>	4 kV contact) level 3 IEC 61000-4-2 8 kV air) level 3 IEC 61000-4-2
<b>Resistance to radiated fields</b>	9.1 V/m (10 V/m) 26000000...1000000000 Hz)IEC 61000-4-3 level 3
<b>Resistance to fast transients</b>	2 kV level 3 IEC 61000-4-4
<b>Ambient air temperature for operation</b>	23...140 °F (-5...60 °C) IEC 61131-2
<b>Ambient air temperature for storage</b>	-40...176 °F (-40...80 °C) IEC 61131-2
<b>Pollution degree</b>	2 IEC 60664-1

## Ordering and shipping details

<b>Category</b>	US10CP222375
<b>Discount Schedule</b>	0CP2
<b>GTIN</b>	3389110644531
<b>Returnability</b>	No
<b>Country of origin</b>	LV

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.15 in (8.000 cm)
<b>Package 1 Width</b>	3.74 in (9.500 cm)
<b>Package 1 Length</b>	8.66 in (22.000 cm)
<b>Package weight(Lbs)</b>	20.882 oz (592.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	16.504 lb(US) (7.486 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) 1040

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic No

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 1bbe7d20-74c0-4e7e-b98b-d2946f4ab8b4

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

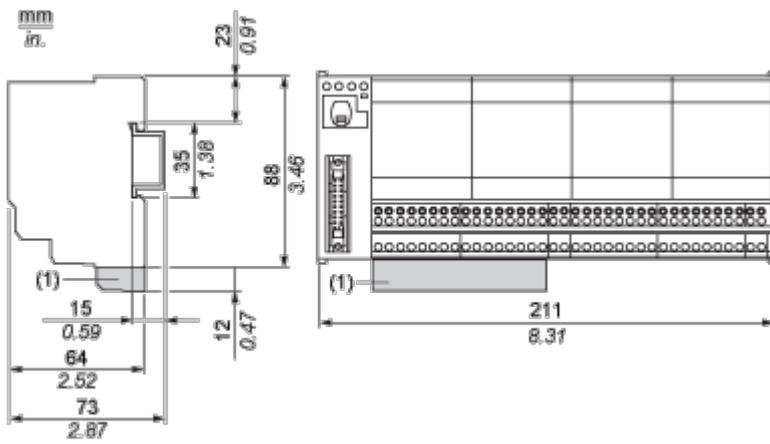
Take-back No

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

Dimensions Drawings

Dimensions

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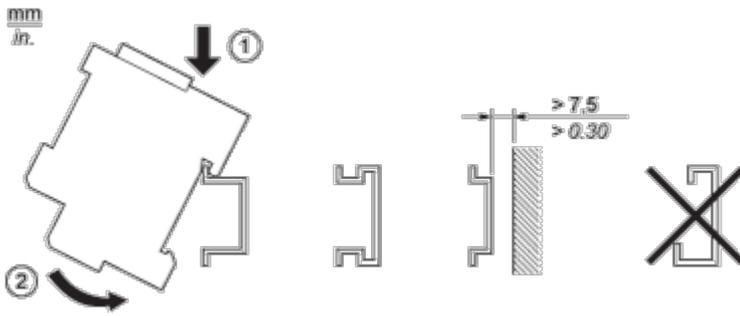


(1) ABE7BV10 / BV20, ABE7BV10E / BV20E

Mounting and Clearance

Mounting

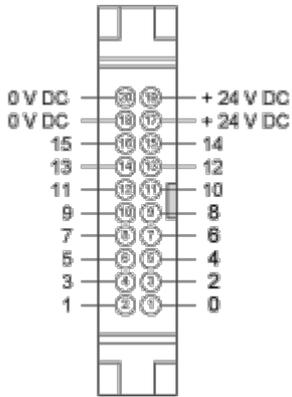
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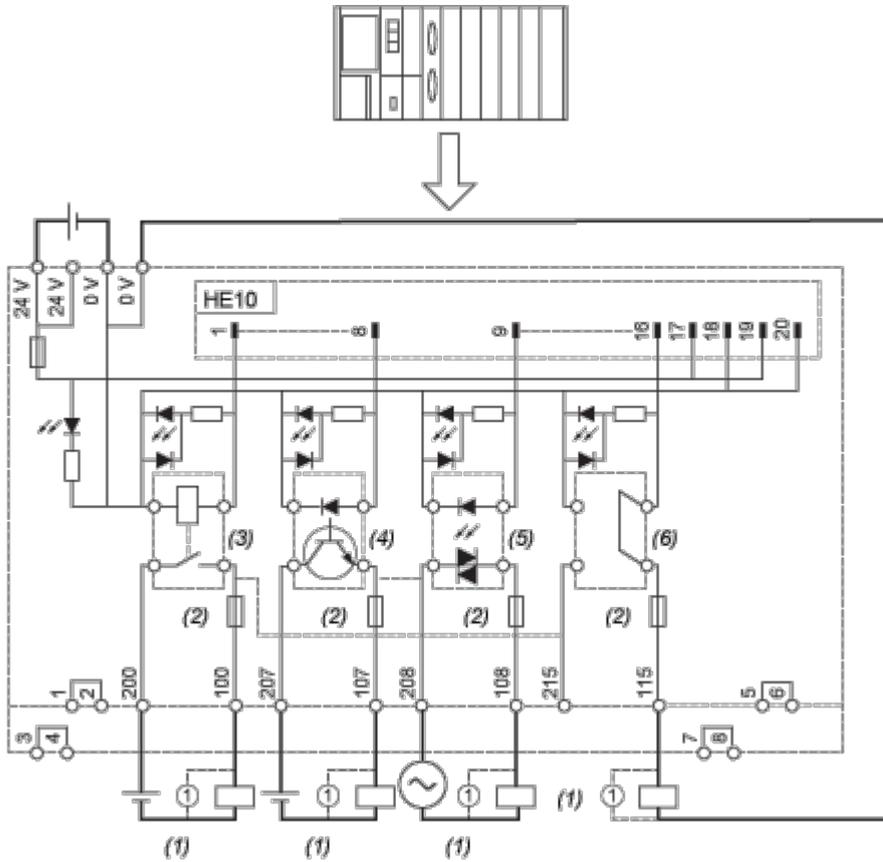
Connections and Schema

HE10 16 Channels

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Wiring Diagram

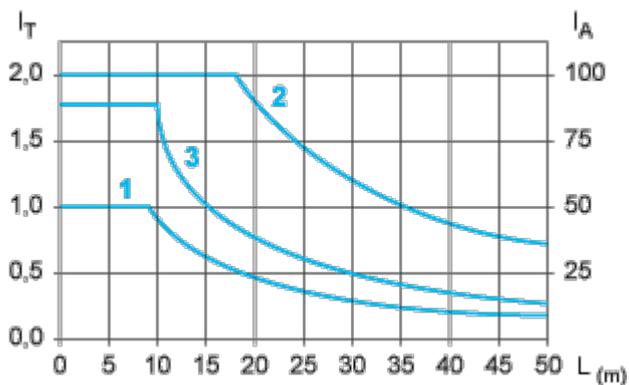


- (1) Inductive load
- (2) Fuse only for ABE7P16T214
- (3) ABR7S21 (1 "F"/SPDT) (not supplied)
- (4) ABS7SC2E (5...48 VDC) I max. = 0.5 A (not supplied)
- (5) ABS7SA2M (24...240 VAC) I max. = 0.5 A (not supplied)
- (6) ABE7ACC20 (24 VDC) (not supplied/not isolated)

Performance Curves

Curves for Determining Cable Type and Length According to the Current

16-channel Sub-base



L Cable length

I<sub>T</sub> Total current per sub base (A)

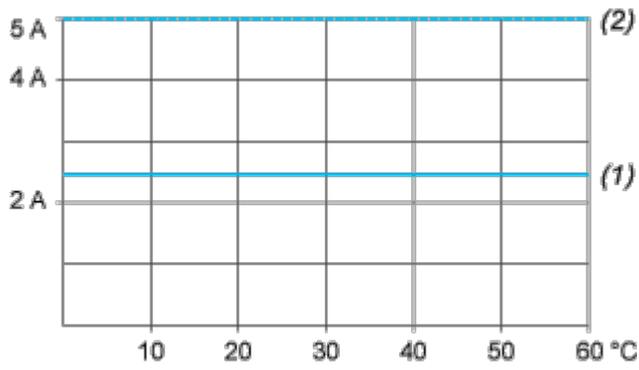
I<sub>A</sub> Average current per channel (mA)

- (1) TSXCDP••2 and ABFH20H••0 cables with c.s.a. 0.08 mm<sup>2</sup> (AWG 28).
- (2) TSXCDP••3 cables with c.s.a. 0.34 mm<sup>2</sup> (AWG 22).
- (3) Cables with c.s.a. 0.13 mm<sup>2</sup> (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

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- (1) 100 % of channels used
- (2) 50 % of channels used

Image of product / Alternate images

Alternative

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