

# Product data sheet

Specifications



## connection sub-base ABE7 - for distribution of 16 thermocouples

ABE7CPA12

Discontinued on: Dec 2, 2020

To be end-of-service on: Dec 31, 2026

Discontinued - Service only

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

### Main

Range of Product	Modicon ABE7
Product or Component Type	Connection sub-base for counter and analogue channels
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

Function of module	Distribution of 16 thermocouples Premium
Product compatibility	Premium TSXAEY1614
Connection to PLC	SUB-D 25
Fixing mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)
[UI] rated insulation voltage	2000 V terminals/mounting rails
Installation category	II IEC 60664-1
Tightening torque	5.3 lbf.in (0.6 N.m) flat Ø 3.5 mm
Net Weight	0.7 lb(US) (0.3 kg)

### Environment

Product Certifications	CSA GL UL BV DNV LROS (Lloyds register of shipping)
IP degree of protection	IP20 conforming to IEC 60529
protective treatment	TC
Resistance to incandescent wire	1382.0000000000 °F (750 °C) 30 s IEC 60695-2-11
Shock resistance	15 gn 11 ms IEC 60068-2-27
Vibration resistance	2 gn 10...150 Hz)IEC 60068-2-6
Resistance to electrostatic discharge	4 kV contact) level 3 IEC 61000-4-2 8 kV air) level 3 IEC 61000-4-2

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Resistance to radiated fields	9.1 V/m (10 V/m) 26000000...1000000000 Hz)IEC 61000-4-3 level 3
Resistance to fast transients	2 kV level 3 IEC 61000-4-4
Ambient air temperature for operation	32.0000000000...140.0000000000 °F (0...60 °C) IEC 61131-2
Ambient air temperature for storage	-40.0000000000...176.0000000000 °F (-40...80 °C) IEC 61131-2
Pollution degree	2 IEC 60664-1

## Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
GTIN	3389110886917
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	3.07 in (7.8 cm)
Package 1 Length	6.2 in (15.7 cm)
Package 1 Weight	11.8 oz (335.0 g)

## Contractual warranty

Warranty	18 months
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## 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-CO<sub>2</sub> 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 >](#)

### Eu Rohs Directive

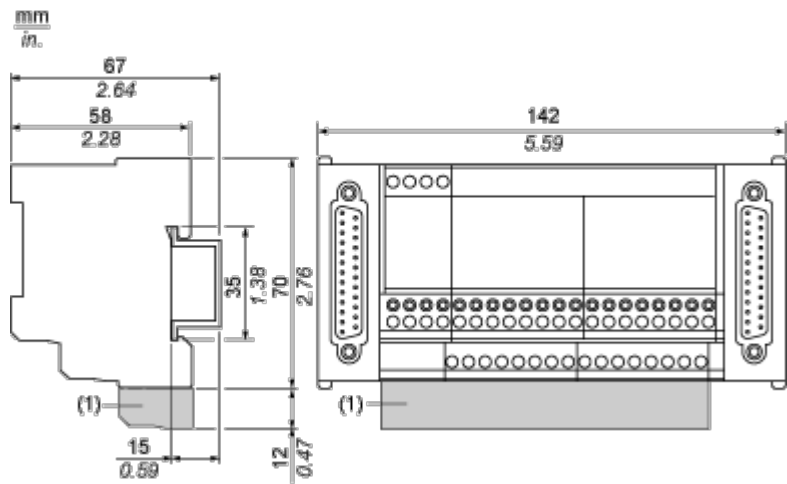
Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

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Dimensions Drawings

Dimensions

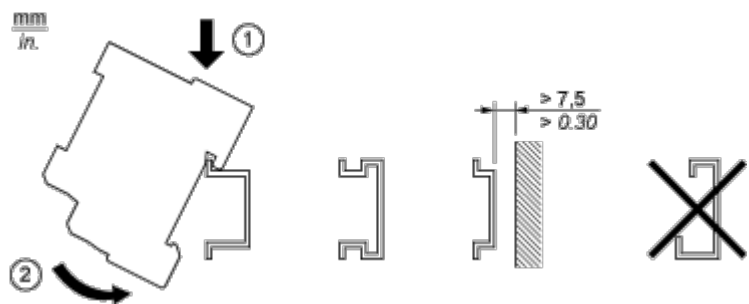


(1) ABE7BV20

Mounting and Clearance

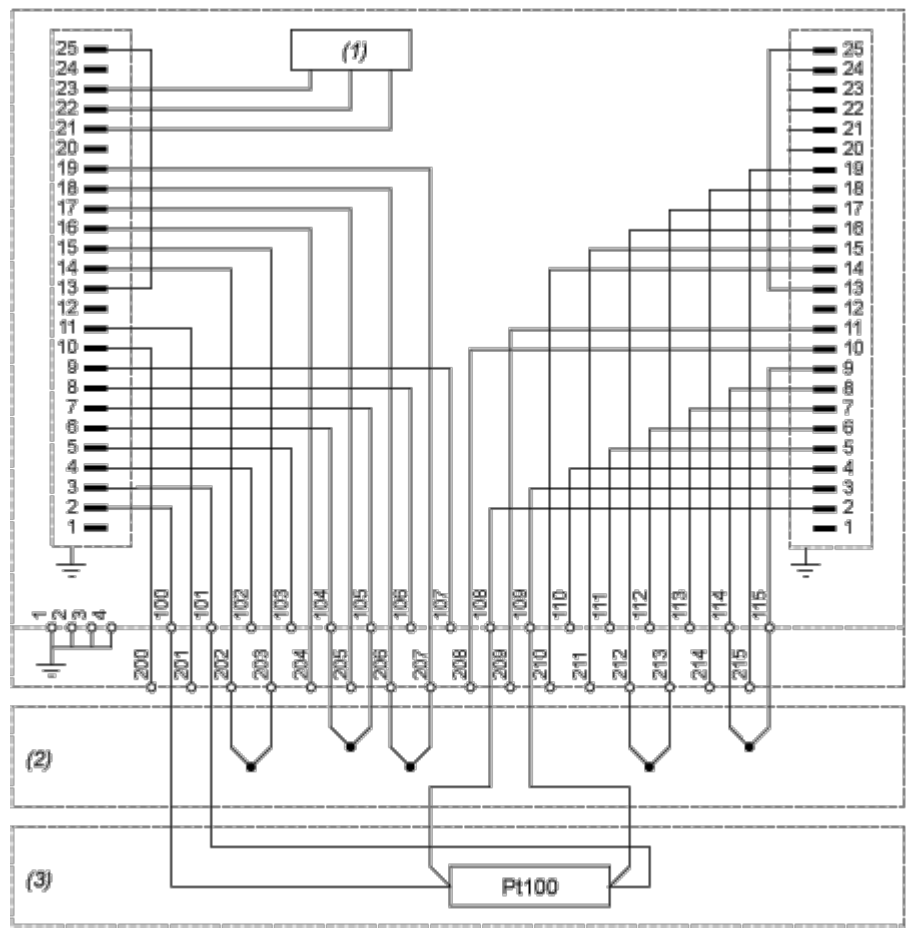
Mounting

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Connections and Schema

Wiring Diagram



- (1) Temperature probe
- (2) Utilisation in cold soldering compensation mode inside the Telefast sub-base
- (3) Utilisation in cold soldering compensation mode via external 4-wire Pt100