

Product data sheet

Specifications



connection sub-base ABE7 - for distribution of 16 thermocouples

ABE7CPA12

⚠ Discontinued on: Dec 31, 2018

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

⚠ Discontinued - Service only

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 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

Complementary

Function Of Module	Distribution of 16 thermocouples, compatible with 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 conforming to IEC 60664-1
Tightening Torque	0.6 N.m with flat Ø 3.5 mm screwdriver
Net Weight	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	750 °C, extinction time <30 s 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

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	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	0...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	6.5 cm
Package 1 Width	7.8 cm
Package 1 Length	15.7 cm
Package 1 Weight	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-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 >](#)

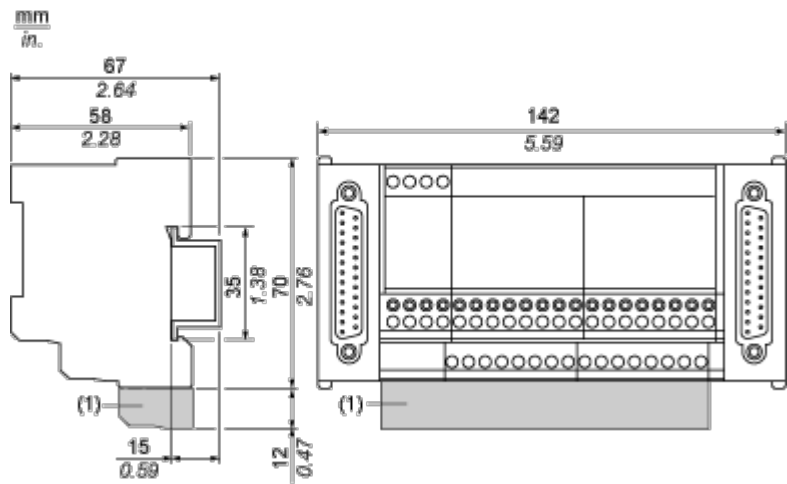
Eu Rohs Directive

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

[EU RoHS Declaration](#)

Dimensions Drawings

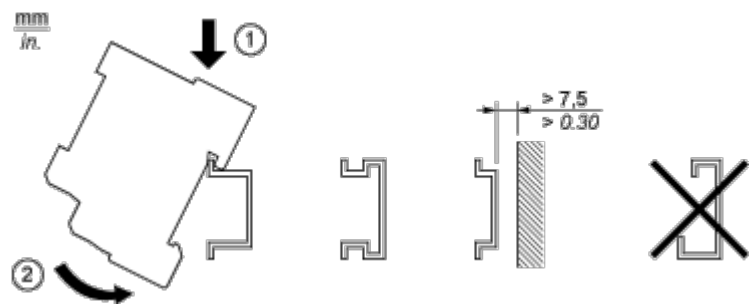
Dimensions



(1) ABE7BV20

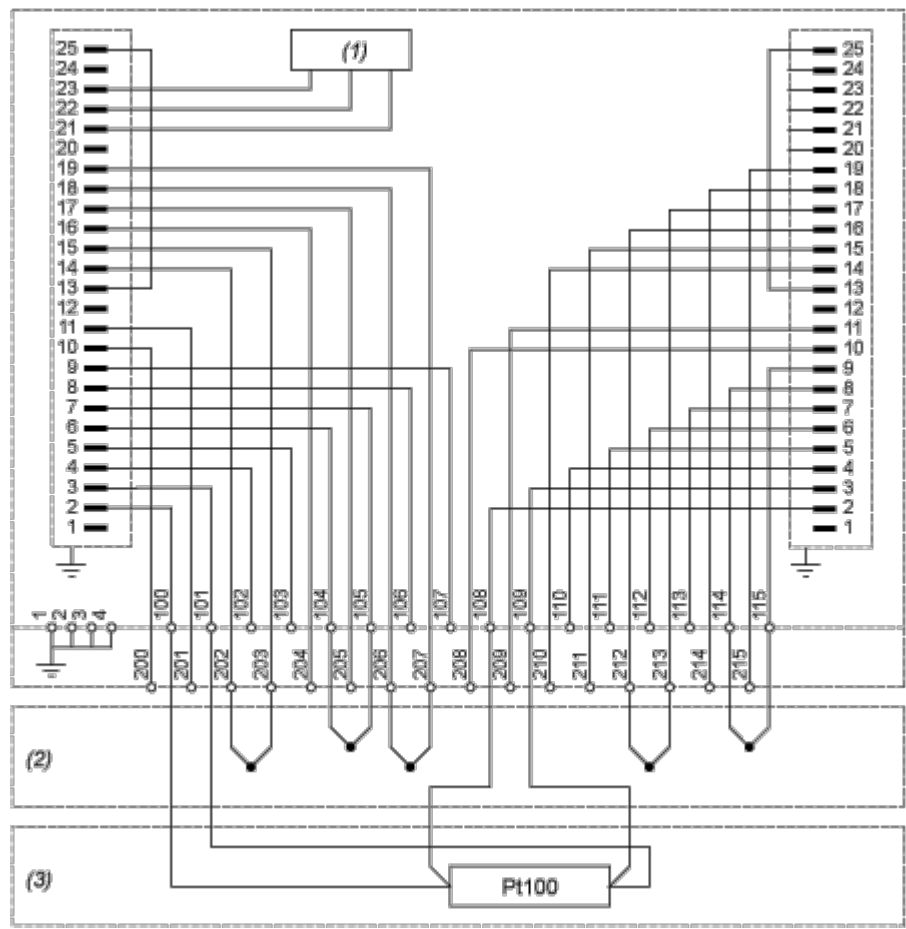
Mounting and Clearance

Mounting



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