

Product datasheet

Specifications



connection sub-base ABE7 - for distribution of 16 thermocouples

ABE7CPA12

- ❗ Discontinued on: 31 December 2018
- ❗ To be end-of-service on: 31 December 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
Product 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

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

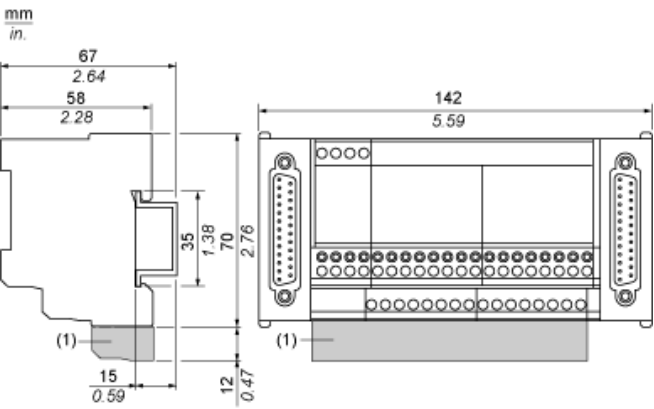
Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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Contractual warranty

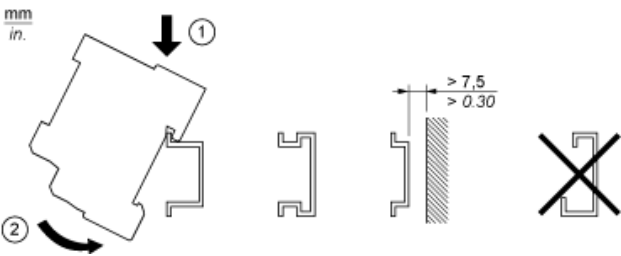
Warranty	18 months
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Dimensions

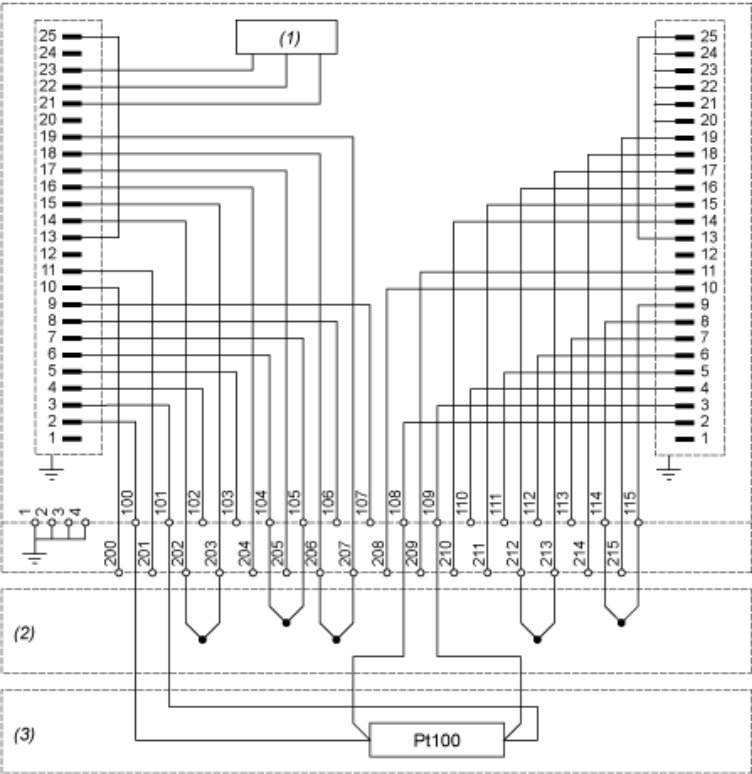


(1) ABE7BV20

Mounting



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

Recommended replacement(s)