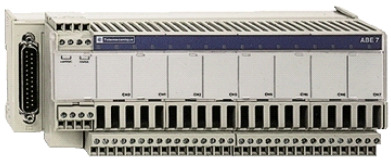
Product datasheet
Characteristics

ABE7CPA31E

connection sub-base ABE7 - for distribution of 8 analog input channels



Main

Range of product	Advantys Telefast ABE7
Product or component type	Connection sub-base for counter and analogue channels
Number of channels	8
Connections - terminals	Spring terminal, clamping capacity: 1 x 0.09...1 x 1.5 mm² AWG 28...AWG 16 flexible with cable end Spring terminal, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 12 solid Spring terminal, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14 flexible without cable end

Complementary

Function of module	Isolated analogue input , compatible with Premium
Product compatibility	TSXAEY810 compatible with Premium
[Uc] control circuit voltage	24 V DC
Connection to PLC	SUB-D 25
Fixing mode	By clips on 35 mm symmetrical DIN rail By screws on solid plate with fixing kit
[Ui] rated insulation voltage	2000 V between terminals/mounting rails
Installation category	II conforming to IEC 60664-1
Tightening torque	0.6 N.m (with flat Ø 3.5 mm)
Product weight	0.41 kg

Environment

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) conforming to IEC 61000-4-2 level 3 8 kV (air) conforming to IEC 61000-4-2 level 3
resistance to radiated fields	10 V/m (26000000...1000000000 Hz) conforming to IEC 61000-4-3 level 3
resistance to fast transients	2 kV conforming to IEC 61000-4-4 level 3
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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1017 - Schneider Electric declaration of conformity

Dimensions

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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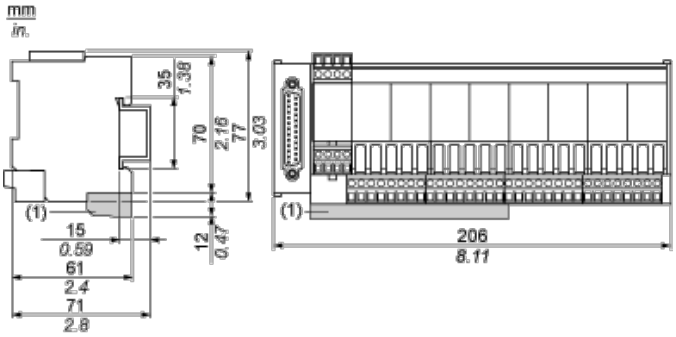
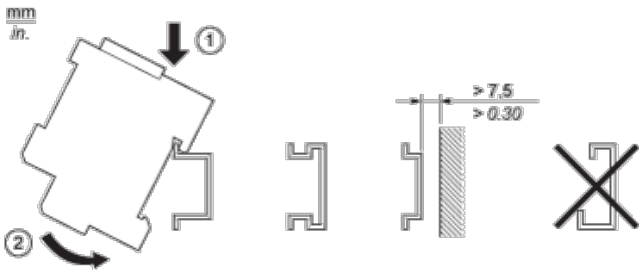
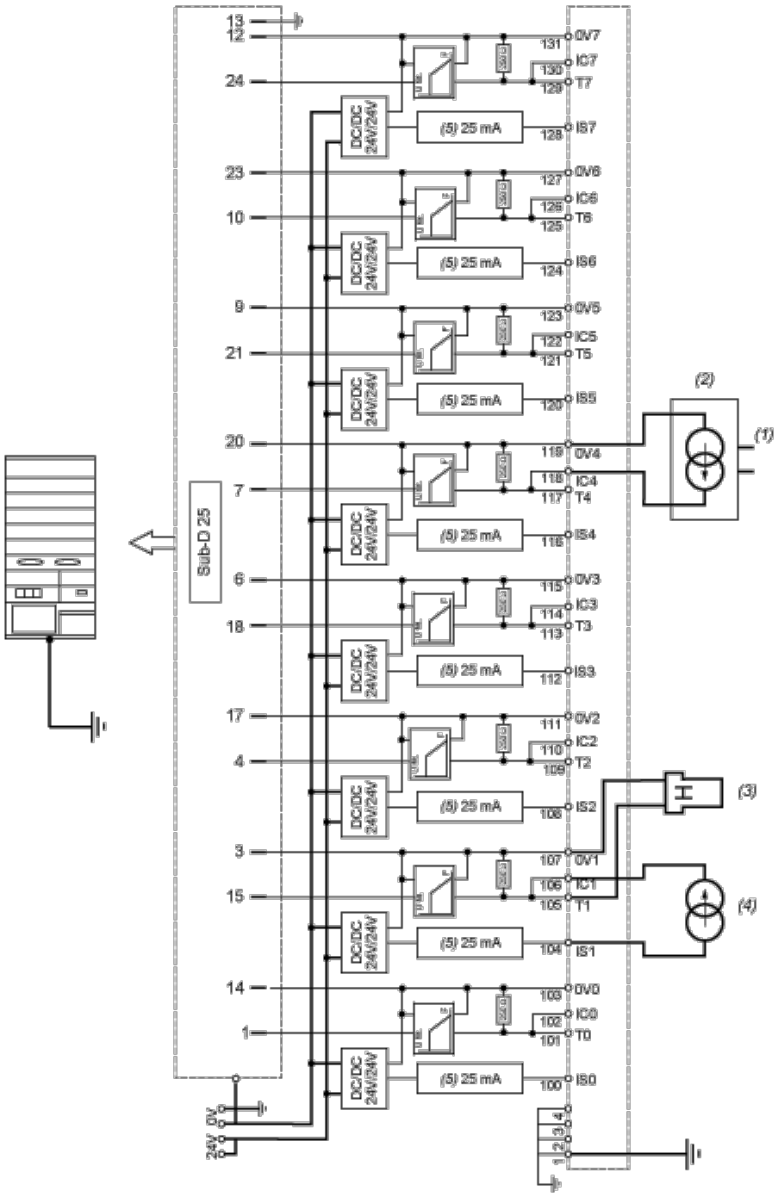


(1) ABE7BV20E

Mounting



Wiring Diagram



(1) Power supply
(2) 4-wire sensor
(3) Pocket HART
(4) 2-wire sensor
(5) Protection