

Product data sheet

Specifications



connection sub-base ABE7 - for distribution of 4 analog channels protected

ABE7CPA410

Main

Range of product	Modicon ABE7
Product or component type	Connection sub-base for analogue channels
Number of channels	4
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 supply and 4 analogue channels protected isolated, compatible with Modicon M340
Product compatibility	Modicon M340 BMXAMI0410
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	0.18 kg

Environment

Product certifications	DNV UL GL CSA
IP degree of protection	IP20 conforming to IEC 60529
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	8.000 cm
Package 1 Width	7.000 cm
Package 1 Length	9.500 cm
Package 1 Weight	222.000 g

Contractual warranty

Warranty	18 months
----------	-----------

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 >](#)

Use Better

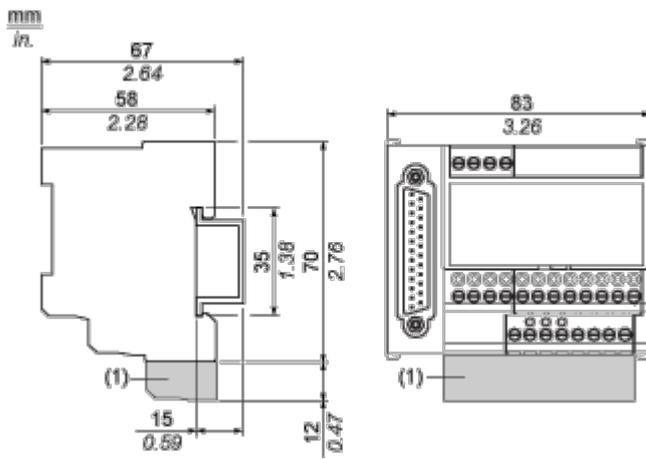
 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: 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

Use Again

 Repack and remanufacture	
Take-back	No

Dimensions Drawings

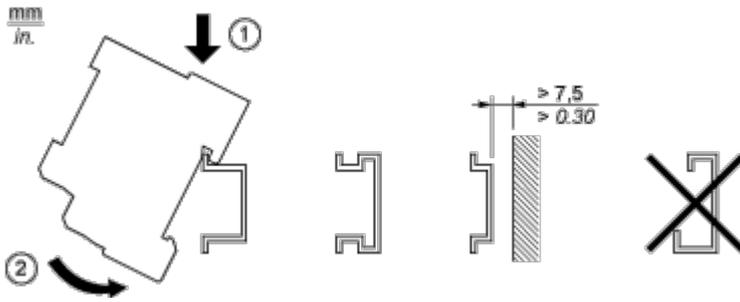
Dimensions



(1) ABE7BV10

Mounting and Clearance

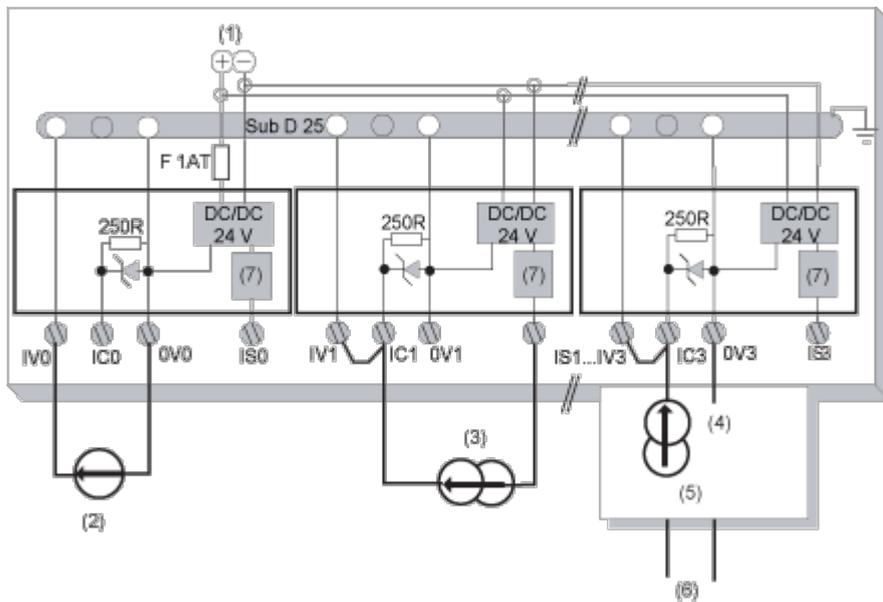
Mounting



Connections and Schema

Wiring Diagram

Channels	SUBD25	Description	Channels	SUBD25	Description
1	/	Earth		/	24 VDC Input
2	/	Earth		/	24 VDC Input
3	/	Earth		/	0V24 Input
4	/	COM 0V0		/	0V24 Input
100		Output IS V0	101	14 (SUBD)	COM 0V0
102		Output IS V1	103	3 (SUBD)	COM 0V1
104		Output IS V2	105	17 (SUBD)	COM 0V2
106		Output IS V3	107	6 (SUBD)	COM 0V3
200	1 (SUBD)	Input IV V0	201		Input IC V0
202	15 (SUBD)	Input IV V1	203		Input IC V1
204	4 (SUBD)	Input IV V2	205		Input IC V2
206	18 (SUBD)	Input IV V3	207		Input IC V3



- (1) 24 V IEC input
- (2) Voltage sensor
- (3) 2-wire current sensor
- (4) 0 V sensor
- (5) 4-wire current sensor

(6) 4-wire sensor supply

(7) Protection 25 mA

Image of product / Alternate images

Alternative

