Product data sheet

Specifications



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

ABE7CPA410

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

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 mm² 28 AWG...16 AWG) flexible with cable end Screw type terminals, 1 x 0.14...1 x 2.5 mm² 26 AWG...12 AWG) solid Screw type terminals, 1 x 0.14...1 x 2.5 mm² 26 AWG...14 AWG) flexible without cable end Screw type terminals, 2 x 0.09...2 x 0.75 mm² 28 AWG...20 AWG) flexible with cable end Screw type terminals, 2 x 0.2...2 x 2.5 mm² 24 AWG...14 AWG) solid

Complementary

Function of module	Distribution of supply and 4 analogue channels protected isolated 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 IEC 60664-1
Tightening torque	5.3 lbf.in (0.6 N.m) flat Ø 3.5 mm
Net Weight	0.40 lb(US) (0.18 kg)

Environment

Product Certifications	DNV UL GL CSA
IP degree of protection	IP20 conforming to IEC 60529
Resistance to incandescent wire	1382 °F (750 °C) 30 s IEC 60695-2-11
Shock resistance	15 gn 11 ms 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 IEC 61000-4-2 8 kV air) level 3 IEC 61000-4-2
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…140 °F (0…60 °C) IEC 61131-2

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

Ambient air temperature for storage	-40…176 °F (-40…80 °C) IEC 61131-2
Pollution degree	2 IEC 60664-1

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
GTIN	3595863931594
Returnability	No
Country of origin	LV

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.150 in (8.000 cm)
Package 1 Width	2.756 in (7.000 cm)
Package 1 Length	3.740 in (9.500 cm)
Package weight(Lbs)	7.831 oz (222.000 g)

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Total lifecycle Carbon footprint	**54 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**5 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**49 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

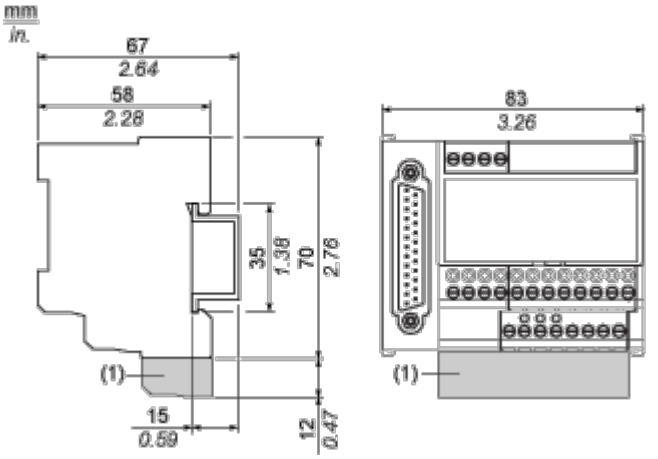
Use Again

Repack and remanufacture

Recyclability potential, in %	**6**
Take-back	**No**

Dimensions Drawings

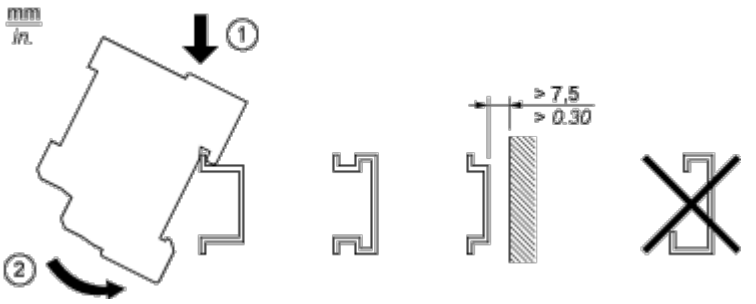
Dimensions



(1) ABE7BV10

Mounting and Clearance

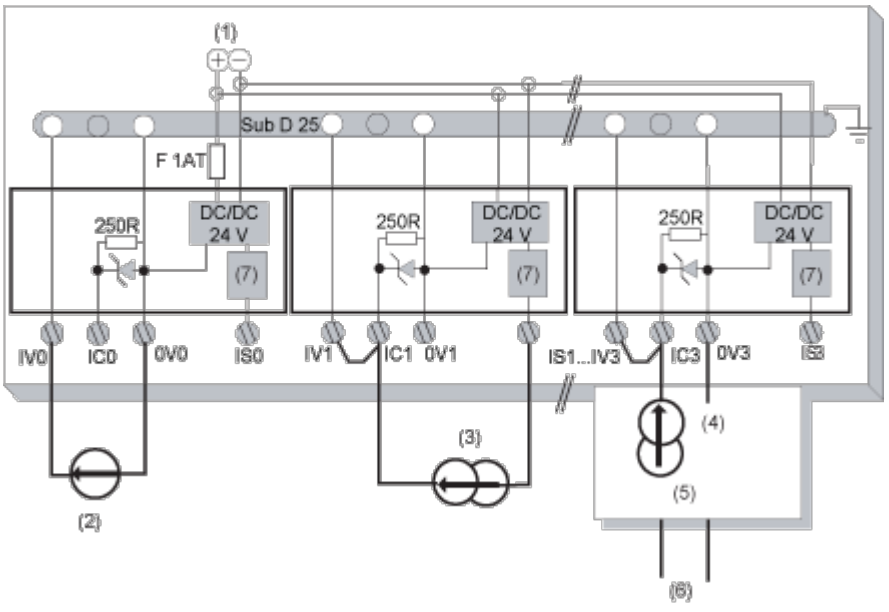
Mounting



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

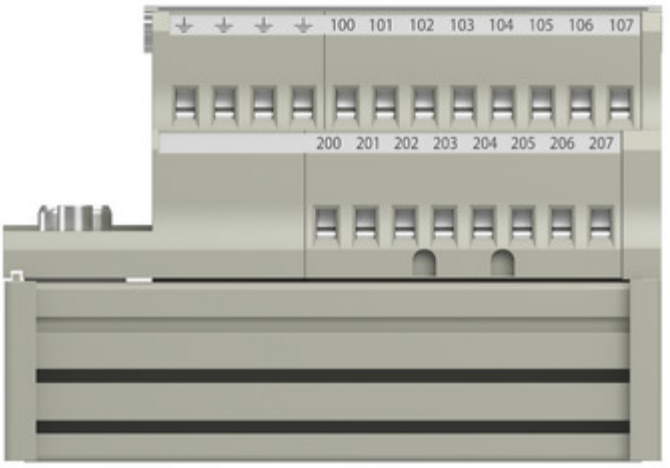
Image of product / Alternate images

Alternative






Schneider Electric
CH0
CH1
CH2
CH3
100 101 102 103 104 105 106 107
200 201 202 203 204 205 206 207


100 101 102 103 104 105 106 107
200 201 202 203 204 205 206 207




Schneider Electric
Modicon ABE7- CPA410
WIRING BLOCK FOR 4 TC INPUTS
Made in Xxxxxx ▽ YPP-YYYY-Www
DE 97828
Marktheidenfeld