Product data sheet

Specifications



connection sub-base ABE7 - for counter and analog channels

ABE7CPA01

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

Main

Range of Product	Modicon ABE7
Product or Component Type	Connection sub-base for counter and analogue channels
Number of Channels	2 8 1
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	Counting and analogue TSX Micro Counting, axis control, position control Premium
Product compatibility	TSX Micro TSX3722 Premium TSXCAY21 Premium TSXCAY41 Premium TSXCTY2A Premium TSXCTY4A TSX Micro TSXCTZ1A TSX Micro TSXCTZ2A
[Uc] control circuit voltage	24 V DC
Connection to PLC	SUB-D 15
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	0.7 lb(US) (0.3 kg)

Environment

Product Certifications	DNV CSA UL GL EAC
IP degree of protection	IP20 conforming to IEC 60529
Resistance to incandescent wire	1382 °F (750 °C) IEC 60695-2-11
Shock resistance	15 gn 11 ms IEC 60068-2-27

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

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)
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	3389110544848
Returnability	No
Country of origin	LV

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	3.03 in (7.7 cm)
Package 1 Length	6.2 in (15.7 cm)
Package weight(Lbs)	11.5 oz (325.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	18.413 lb(US) (8.352 kg)

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	**59 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**9 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 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]	**0.7 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**

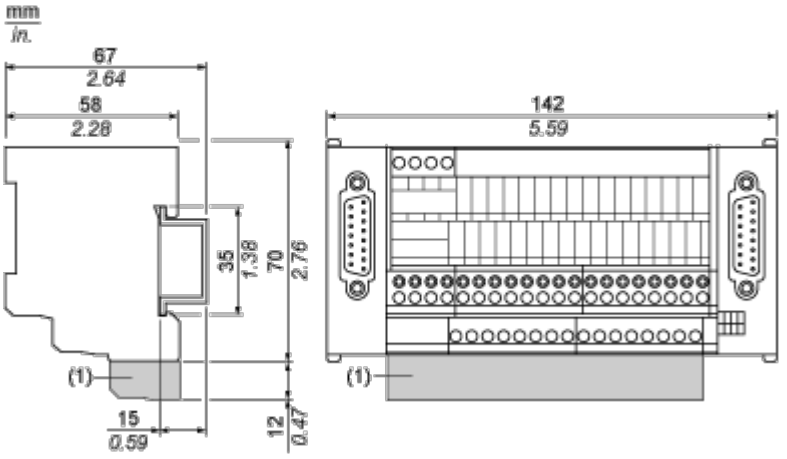
Use Again

Repack and remanufacture

Recyclability potential, in %	**6**
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

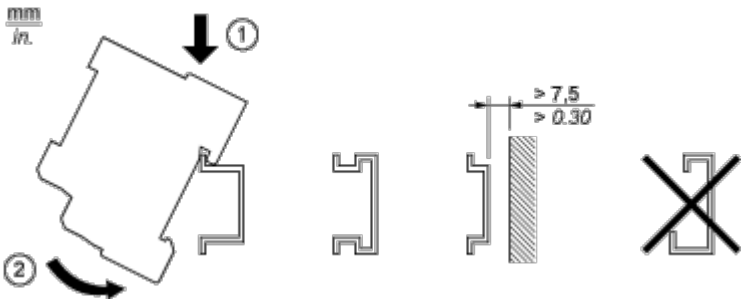
Dimensions



(1) ABE7BV10 / ABE7BV20

Mounting and Clearance

Mounting



Connections and Schema

Wiring Diagram

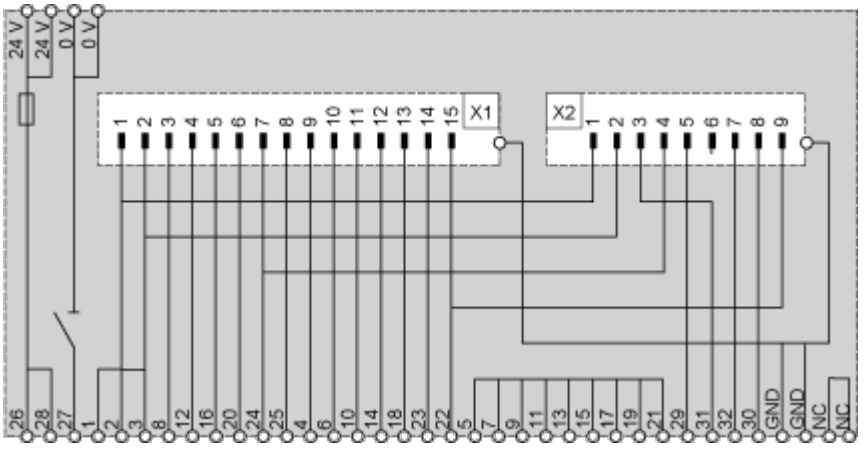


Image of product / Alternate images

Alternative

