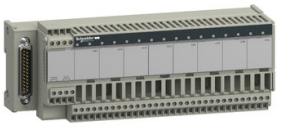
# Product data sheet

Specifications



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

ABE7CPA31

**Product availability: Stock - 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** | 8 |
| **Connections - terminals** | Screw type terminals, 1 x 0.09...1 x 1.5 mm² AWG 28...AWG 16) flexible with cable end<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 12) solid<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14) flexible without cable end<br>Screw type terminals, 2 x 0.09...2 x 0.75 mm² AWG 28...AWG 20) flexible with cable end<br>Screw type terminals, 2 x 0.2...2 x 2.5 mm² AWG 24...AWG 14) solid |

## Complementary

| | |
|---|---|
| **Function of module** | Isolated analogue input Premium |
| **[Uc] control circuit voltage** | 24 V DC |
| **Connection to PLC** | SUB-D 25 |
| **Fixing mode** | By clips (35 mm symmetrical DIN rail)<br>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 |
| **Product Weight** | 0.90 lb(US) (0.41 kg) |

## Environment

| | |
|---|---|
| **Standards** | CSA C22.2<br>IEC 61131<br>UL 508 |
| **Product Certifications** | DNV<br>GL<br>CSA<br>UL |
| **IP degree of protection** | IP20 conforming to IEC 60529 |
| **Protective treatment** | TC |
| **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<br>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 |

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

| | |
|---|---|
| **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 |
| **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** | 3389110836202 |
| **Returnability** | Yes |
| **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** | 3.228 in (8.200 cm) |
| **Package 1 Length** | 8.898 in (22.600 cm) |
| **Package weight(Lbs)** | 17.496 oz (496.000 g) |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 15 |
| **Package 2 Height** | 11.811 in (30.000 cm) |
| **Package 2 Width** | 11.811 in (30.000 cm) |
| **Package 2 Length** | 15.748 in (40.000 cm) |
| **Package 2 Weight** | 17.234 lb(US) (7.817 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 >

### Use Better

#### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **E9234f0b-842f-4acb-a1b0-38469c0d0e22** |
| 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 Longer

#### Lifetime extension

| | |
|---|---|
| Repair | **No** |

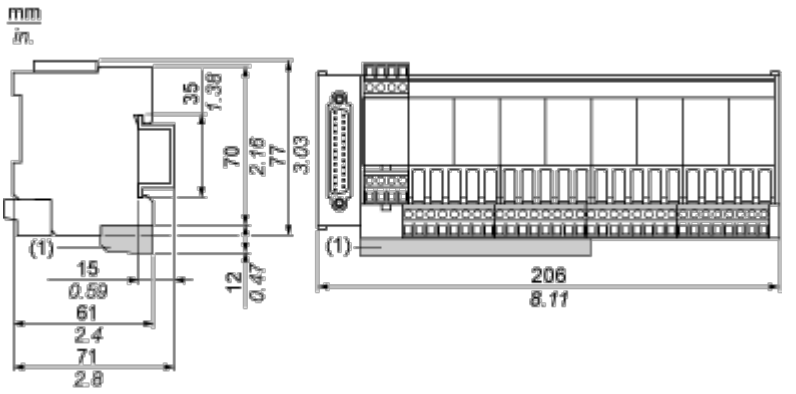
### Use Again

#### Repack and remanufacture

| | |
|---|---|
| Take-back | **No** |

Dimensions Drawings

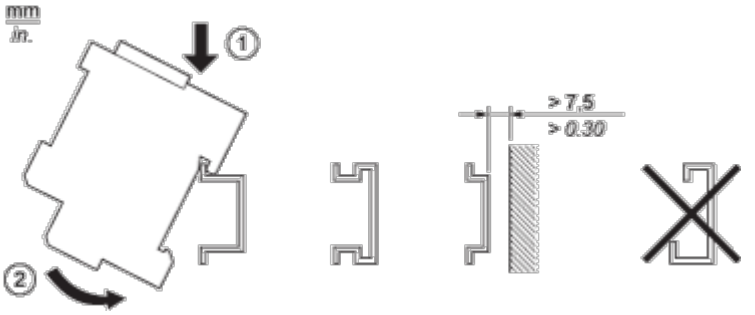
## Dimensions




(1) ABE7BV20

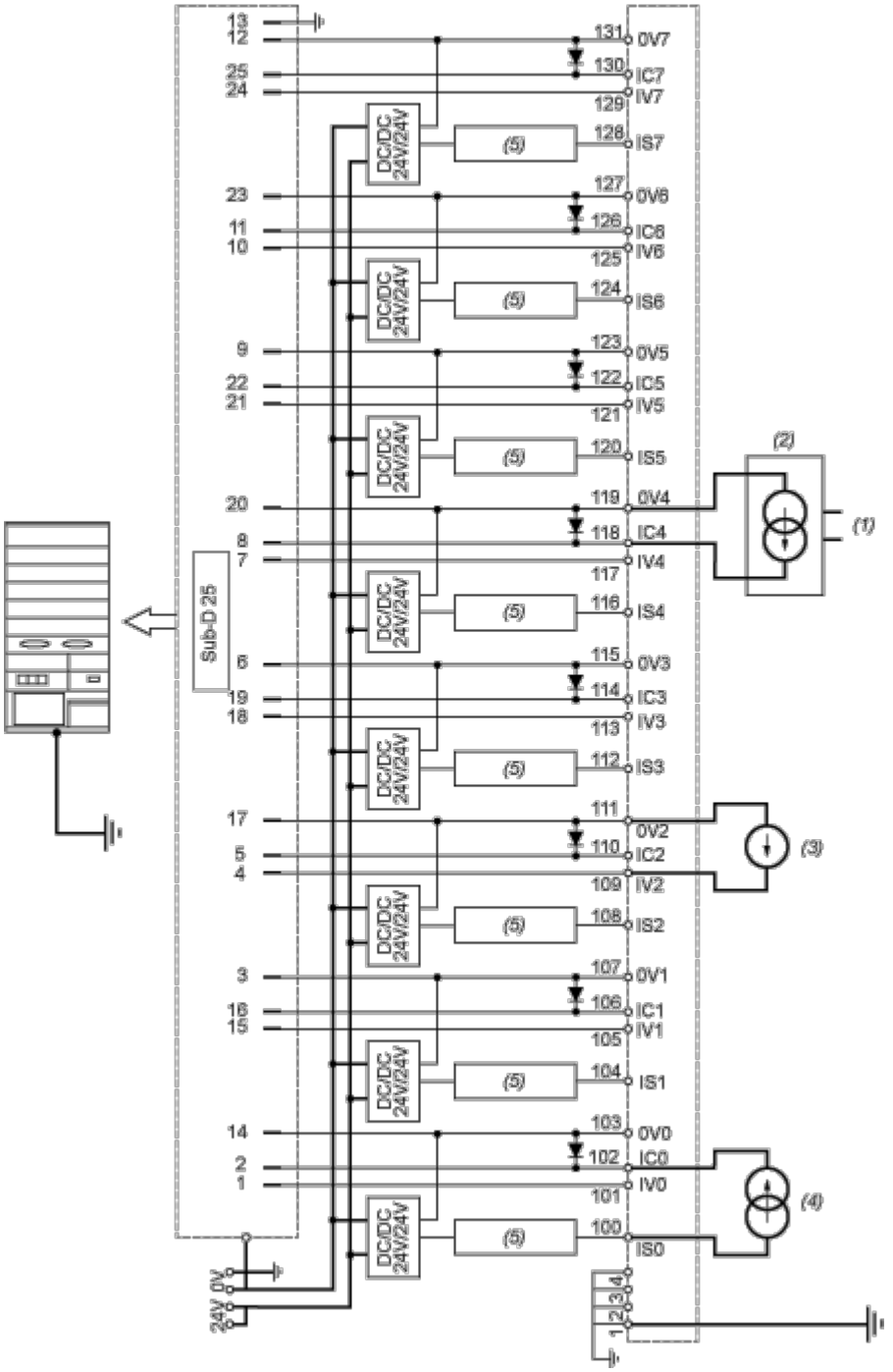
Mounting and Clearance

## Mounting



## Connections and Schema

### Wiring Diagram




(1) Power supply

(2) 4-wire sensor

(3) Voltage sensor

(4) 2-wire sensor

(5) Protection 25 mA

Image of product / Alternate images

**Alternative**

