

# Product data sheet

Specifications



## connection sub-base ABE7 - for passive distribution of 8 channels

ABE7CPA02

### 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 mm <sup>2</sup> (AWG 28...AWG 16) flexible with cable end<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> (AWG 26...AWG 12) solid<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> (AWG 26...AWG 14) flexible without cable end<br>Screw type terminals, 2 x 0.09...2 x 0.75 mm <sup>2</sup> (AWG 28...AWG 20) flexible with cable end<br>Screw type terminals, 2 x 0.2...2 x 2.5 mm <sup>2</sup> (AWG 24...AWG 14) solid |

### Complementary

|                               |   |
|-------------------------------|---|
| Function of module            | Analogue input current, compatible with Premium<br>Analogue input voltage, compatible with Premium<br>Pt 100, compatible with Premium |
| 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 conforming to IEC 60664-1  |
| Tightening torque             | 0.6 N.m with flat Ø 3.5 mm screwdriver  |
| Product weight                | 0.29 kg   |

### Environment

|                                       |  |
|---------------------------------------|--|
| Product certifications                | GL<br>DNV<br>UL<br>CSA<br>EAC  |
| 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) level 3 conforming to IEC 61000-4-2<br>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   |

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|                                       |                                       |
|---------------------------------------|---------------------------------------|
| 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           |

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## Packing Units

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|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 7.100 cm  |
| Package 1 Width              | 8.200 cm  |
| Package 1 Length             | 13.600 cm |
| Package 1 Weight             | 301.000 g |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 27        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 8.683 kg  |

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## Contractual warranty

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



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 | 1037  |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

### Use Better

#### Materials and Substances

|  |  |
|--|--|
| Packaging made with recycled cardboard | No   |
| Packaging without single use plastic   | No   |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)   |
| SCIP Number                            | 5ea8fa1c-049d-4335-a1a1-33633ed6ce47   |
| REACH Regulation                       | <a href="#">REACH Declaration</a>  |
| California proposition 65              | <b>WARNING:</b> 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 <a href="#">www.P65Warnings.ca.gov</a> |

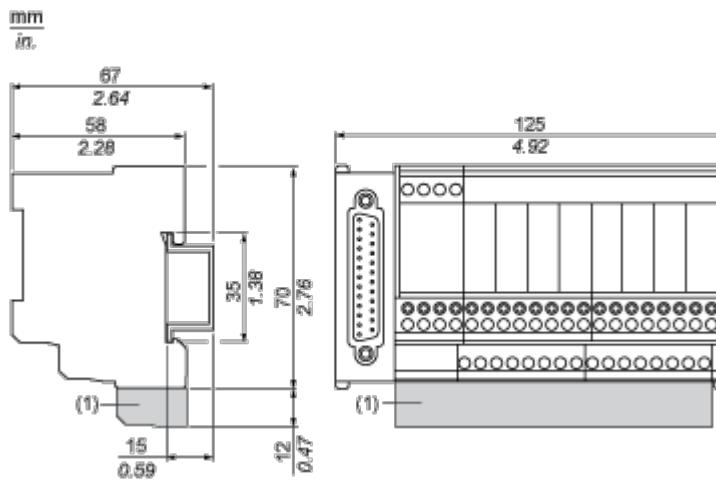
### Use Again

#### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| End of life manual availability | <a href="#">End of Life Information</a>   |
| 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 |

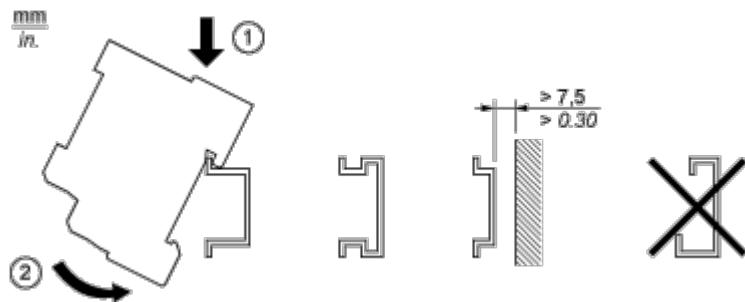
## Dimensions Drawings

## Dimensions



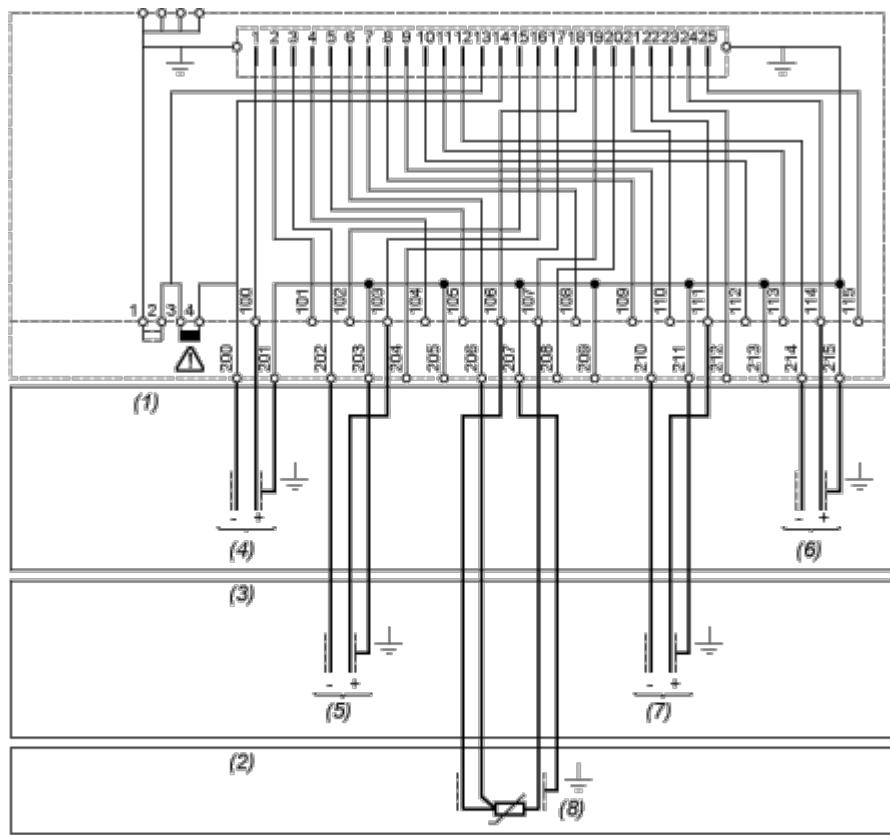
(1) ABE7BV20 / ABE7BV20E

## Mounting and Clearance

Mounting

## Connections and Schema

## Wiring Diagram

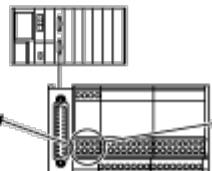


TSX.AEY 1600/800  
TSX.AEY 420  
IRA 1600  
AEM 160•  
TSX.ASY 800

IXA 1600  
AEM 8••



• AEM 1613



TSX.AEY 810

- (1) 8 input voltage - 8 output voltage
- (2) 8 input probe PT100
- (3) 8 input current - 8 output current
- (4) Channel via 1
- (5) Channel via 2
- (6) Channel via 8
- (7) Channel via 6
- (8) Channel via 4

Image of product / Alternate images

**Alternative**

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