

### Main

|                           |                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | Modicon ABE7                                                                                                                                                                                                                                                                     |
| Product or component type | Connection sub-base for counter and analogue channels                                                                                                                                                                                                                            |
| Number of channels        | 8                                                                                                                                                                                                                                                                                |
| Connections - terminals   | Spring terminal, 1 x 0.09...1 x 1.5 mm <sup>2</sup> (AWG 28...AWG 16) flexible with cable end<br>Spring terminal, 1 x 0.14...1 x 2.5 mm <sup>2</sup> (AWG 26...AWG 12) solid<br>Spring terminal, 1 x 0.14...1 x 2.5 mm <sup>2</sup> (AWG 26...AWG 14) flexible without cable end |

### Complementary

|                               |                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------|
| Function of module            | Isolated analogue input, compatible with 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 conforming to IEC 60664-1                                                     |
| Tightening torque             | 0.6 N.m with flat Ø 3.5 mm screwdriver                                           |
| Net weight                    | 0.41 kg                                                                          |

### Environment

|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| 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                                                             |
| 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             | 7.000 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 21.000 cm |
| Package 1 Weight             | 465.000 g |

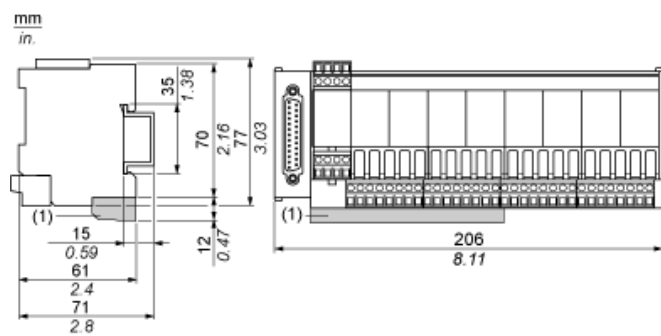
## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>         |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                  |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>    |
| RoHS exemption information |  Yes                                       |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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

## Dimensions

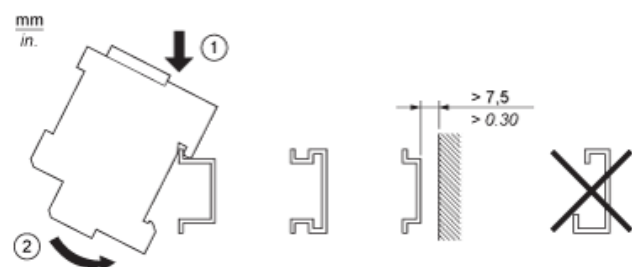


(1) ABE7BV20E

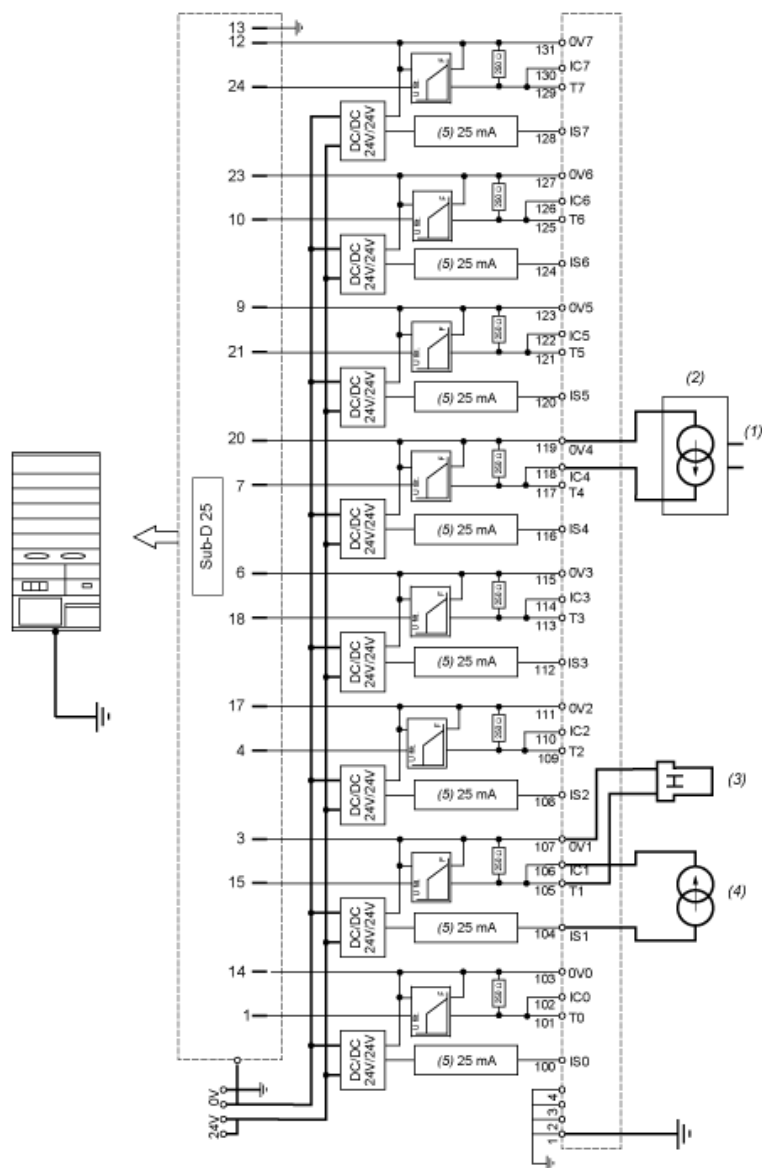
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Mounting

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## Wiring Diagram



- (1) Power supply
- (2) 4-wire sensor
- (3) Pocket HART
- (4) 2-wire sensor
- (5) Protection