# Product data sheet
## Characteristics

# ABE7CPA412
connection sub-base ABE7 - for distribution of 4 thermocouples



## Main

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

## Complementary

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|---|---|
| Function of module | Distribution of 4 thermocouples, compatible with Modicon M340 |
| Product compatibility | Modicon M340 BMXART0414<br>Modicon M340 BMXART0814 |
| 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 | 0.18 Kg |

## Environment

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|---|---|
| Product certifications | GL[RETURN]CSA[RETURN]UL[RETURN]DNV |
| IP degree of protection | IP20 conforming to IEC 60529 |
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.000 Cm |
| Package 1 Width | 8.200 Cm |
| Package 1 Length | 9.500 Cm |
| Package 1 Weight | 212.000 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 | 6.226 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 6 |
| Total lifecycle Carbon footprint | 54 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 5.048310583284837 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 5 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.026874405995263157 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.047660324349814966 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 48.58680178177649 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 49 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.387485187196048 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.4 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 54 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which |
| Take-back | No |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised