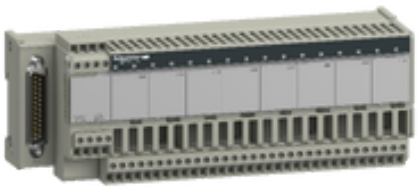
Product data sheet
Characteristics

ABE7CPA31E
connection sub-base ABE7 - for distribution of 8 analog input channels



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 mm² (28 AWG...16 AWG) flexible with cable end Spring terminal, 1 x 0.14...1 x 2.5 mm² (26 AWG...12 AWG) solid Spring terminal, 1 x 0.14...1 x 2.5 mm² (26 AWG...14 AWG) 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) 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 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

Recyclability potential, in %	6
Total lifecycle Carbon footprint	57 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8.133389273070016
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.043297654103479535
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.07678607811914634
Carbon footprint of the installation phase [A5]	0.1 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]	0.6242816904825219
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	57
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

Warranty (in months)	18

Product Life Status : Commercialised