Product data sheet
Characteristics

ABE7H16R21
passive connection sub-base ABE7 - 16 inputs or outputs - Led



Main

Range of product	Modicon ABE7
Product or component type	Passive discrete I/O sub-base
Sub-base type	I/O sub-base
[Us] rated supply voltage	19...30 V conforming to IEC 61131-2
Number of channels	16
Number of terminal per channel	2
Connections - terminals	Screw type terminals, 1 x 0.09...1 x 1.5 mm² (28 AWG...16 AWG) flexible with cable end Screw type terminals, 1 x 0.14...1 x 2.5 mm² (26 AWG...12 AWG) solid Screw type terminals, 1 x 0.14...1 x 2.5 mm² (26 AWG...14 AWG) flexible without cable end Screw type terminals, 2 x 0.09...2 x 0.75 mm² (28 AWG...20 AWG) flexible with cable end Screw type terminals, 2 x 0.2...2 x 2.5 mm² (24 AWG...14 AWG) solid

Complementary

Supply circuit type	DC
Number of horizontal rows	2
Status LED	1 LED per channel (green) channel status 1 LED (green) power ON
Polarity distribution	0 V or 24 V
Short-circuit protection	2 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Connector type	HE-10
Pin number	20 pins
Fixing mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)
Maximum supply current	1.8 A
Current per channel	0.5 A
Maximum current per output common	1.8 A
Voltage drop on power supply fuse	0.3 V
[Ui] rated insulation voltage	2000 V
Installation category	II conforming to IEC 60664-1
Tightening torque	0.6 N.M with flat Ø 3.5 mm screwdriver
Width	125 Mm
Net weight	0.3 Kg

Environment

Product certifications	DNV[RETURN]CSA[RETURN]UL[RETURN]GL[RETURN]EAC
IP degree of protection	IP2X conforming to IEC 60529
Resistance to incandescent wire	750 °C 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	-5…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	8.200 Cm
Package 1 Length	13.700 Cm
Package 1 Weight	297.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	9.455 Kg

Offer Sustainability

Recyclability potential, in %	6
Total lifecycle Carbon footprint	1 758 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8.329712462419982
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04434276989218421
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0786395351771947
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1749.1248641439533
Carbon footprint of the use phase [B2, B3, B4, B6]	1 749 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.6393505588734794
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	1758
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	929bff7e-9bcb-44b5-b91e-c36f919ebdbd
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
End of life manual availability	End Of Life Information

Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised