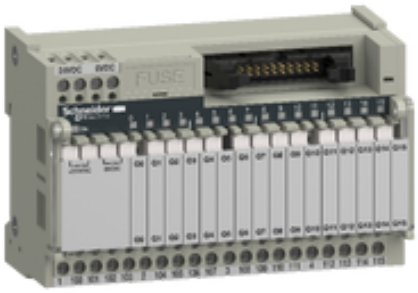
Product data sheet
Characteristics

ABE7R16T111
Sub-base with plug-in electromechanical relay ABE7, 16 channels, relay 5 mm



Main

Range of product	Modicon ABE7
Product or component type	Sub-base with plug-in electromechanical relay
Sub-base type	Output sub-base
[Us] rated supply voltage	19...30 V conforming to IEC 61131-2
Number of channels	16
Connections - terminals	Screw type terminals, 1 x 0.14...1 x 1.5 mm² (26 AWG...16 AWG) flexible with cable end Screw type terminals, 1 x 0.14...1 x 2.5 mm² (26 AWG...14 AWG) flexible without cable end Screw type terminals, 1 x 0.14...1 x 4 mm² (26 AWG...12 AWG) solid Screw type terminals, 2 x 0.14...2 x 0.75 mm² (26 AWG...18 AWG) flexible with cable end Screw type terminals, 2 x 0.14...2 x 1.5 mm² (26 AWG...16 AWG) solid

Complementary

Supply circuit type	DC
Product compatibility	ABR7S11
Contacts type and composition	1 NO
Status LED	1 LED power ON 1 LED per channel channel status
Polarity distribution	Common distribution group of 4
Short-circuit protection	1 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Mounting mode	By clips (35 mm DIN rail) By screws (surface mount with kit)
Maximum supply current	1 A
Voltage drop on power supply fuse	0.3 V
Maximum current per output common	5 A screw type terminals
[Ui] rated insulation voltage	2000 V between terminals/mounting rails 300 V between coil circuit/contact circuits conforming to IEC 60947-1
Maximum current per module	12 A
[Uimp] rated impulse withstand voltage	2.5 KV
Installation category	II conforming to IEC 60664-1
Tightening torque	0.6 N.M with flat Ø 3.5 mm screwdriver
Net weight	0.6 Kg

Environment

Product certifications	CSA[RETURN]UL[RETURN]DNV[RETURN]GL[RETURN]EAC
IP degree of protection	IP2X 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 conforming to IEC 60068-2-6 (f = 10…150 Hz)

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 Cm
Package 1 Width	8.2 Cm
Package 1 Length	13.7 Cm
Package 1 Weight	312 G
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	30 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	7.902 Kg

Offer Sustainability

Recyclability potential, in %	6
Total lifecycle Carbon footprint	981 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8.75040501102705
Carbon footprint of the manufacturing phase [A1 to A3]	9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0465823037251228
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0826112288730126
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	971.7360356355297
Carbon footprint of the use phase [B2, B3, B4, B6]	972 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.6716409911398166
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	981
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	1bbe7d20-74c0-4e7e-b98b-d2946f4ab8b4
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 and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised