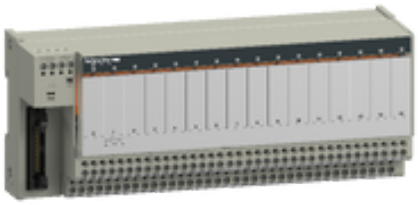
Product data sheet
Characteristics

ABE7R16T230
Sub-base with plug-in electromechanical relay
ABE7 - 16 channels - relay 10 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

Complementary

Supply circuit type	DC
Product compatibility	ABR7S23
Contacts type and composition	1 C/O
Status LED	1 LED per channel (green) channel status 1 LED (green) power ON
Polarity distribution	Volt-free
Short-circuit protection	1 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Fixing mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)
Maximum supply current	1 A
Voltage drop on power supply fuse	0.3 V
[Ui] rated insulation voltage	2000 V terminals/mounting rails 300 V coil circuit/contact circuits conforming to IEC 60947-1
[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	0.775 Kg

Environment

Product certifications	UL[RETURN]GL[RETURN]DNV[RETURN]CSA[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	7.700 Cm
Package 1 Width	9.500 Cm
Package 1 Length	22.000 Cm
Package 1 Weight	753.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	9.500 Kg

Offer Sustainability

Recyclability potential, in %	6
Total lifecycle Carbon footprint	995 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	21.1187659400749
Carbon footprint of the manufacturing phase [A1 to A3]	21 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.11242459841351754
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.19937902353005926
Carbon footprint of the installation phase [A5]	0.2 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]	1.6209796997701345
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	995
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	B4ed15ee-b60f-405b-b173-a159262ea7f0
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