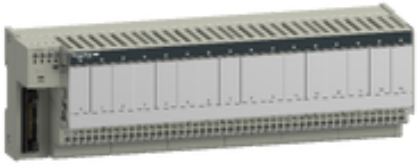
Product data sheet
Characteristics

ABE7P16F310
sub-base for plug-in relay ABE7 - 16 channels - relay 12.5 mm



Main

Range of product	Modicon ABE7
Product or component type	Sub-base for plug-in relay
Sub-base type	Input 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, 0.09…1.5 mm² (28 AWG...16 AWG) flexible with c Screw type terminals, 1 x 0.14...1 x 2.5 mm², 0.14…2.5 mm² (26 AWG...12 AWG) solid Screw type terminals, 1 x 0.14...1 x 2.5 mm², 0.14…2.5 mm² (26 AWG...14 AWG) flexible witho Screw type terminals, 2 x 0.09...2 x 0.75 mm², 0.09…0.75 mm² (28 AWG...20 AWG) flexible wi Screw type terminals, 2 x 0.2...2 x 2.5 mm², 0.2…2.5 mm² (24 AWG...14 AWG) solid

Complementary

Supply circuit type	DC
Product compatibility	ABS7S33E ABR7 ABS7E
Status LED	1 LED per channel (green) channel status 1 LED (green) power ON
Isolation PLC/operative part	Yes
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
[Uimp] rated impulse withstand voltage	2.5 KV
[Ui] rated insulation voltage	300 V coil circuit/contact circuits conforming to IEC 60947-1 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
Width	272 Mm
Height	89 Mm
Depth	74 Mm
Net weight	0.85 Kg

Environment

Product certifications	GL[RETURN]DNV[RETURN]CSA[RETURN]UL[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	8.500 Cm
Package 1 Width	10.000 Cm
Package 1 Length	29.200 Cm
Package 1 Weight	790.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	5.241 Kg

Offer Sustainability

Recyclability potential, in %	6
Total lifecycle Carbon footprint	996 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	22.156474226639006
Carbon footprint of the manufacturing phase [A1 to A3]	22 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.11794878186809941
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.20917586797974347
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]	1.7006294326937665
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	996
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised