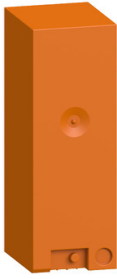


Product datasheet

Specifications



plug-in electromechanical relay - 10 mm - 24 V DC - 1 NO

ABR7S21

Price: 122.30 ZAR

Main

Range Of Product	Advantys Telefast ABE7
Product Or Component Type	Plug-in electromechanical relay
Control Circuit Type	DC
Minimum Ordered Quantity	Set of 4

Complementary

Width Pitch Dimension	10 mm
Product Compatibility	ABE7P16T212 ABE7P16T214 ABE7P16T210 ABE7P16T230E ABE7R16T210 ABE7R16T212 ABE7P16T215 ABE7P16T230
[Uc] Control Circuit Voltage	24 V
[Ith] Conventional Free Air Thermal Current	5 A
Contacts Type And Composition	1 NO
Threshold Tripping Voltage	19.7 V at 40 °C
Drop-Out Voltage	2.4 V at 20 °C
Drop-Out Current	1 mA at 20 °C
Maximum Power Dissipation Per Pole	0.36 W
Associated Fuse Rating	1 A, fast blow
Maximum Switching Voltage	130 V DC conforming to IEC 60947-5-1 250 V AC 50/60 Hz conforming to IEC 60947-5-1
Electrical Durability	500000 cycles, maximum switching current: 1500 mA at 230 V AC-12 500000 cycles, maximum switching current: 1500 mA at 24 V DC-12 500000 cycles, maximum switching current: 600 mA at 24 V DC-13 10 ms 500000 cycles, maximum switching current: 900 mA at 230 V AC-15
Minimum Switching Current	10 mA at ≥ 5 V
Electrical Reliability	1e-008
Operating Rate In Hz	10 Hz no load 0.5 Hz at le
Mechanical Durability	20000000 cycles
[Uimp] Rated Impulse Withstand Voltage	2.5 kV conforming to IEC 60947-1
Width	10 mm
Net Weight	0.008 kg

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Environment

Max Immunity To Microbreaks	5 ms
Dielectric Strength	2000 V conforming to IEC 60947-1

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.5 cm
Package 1 Width	4.2 cm
Package 1 Length	4.5 cm
Package 1 Weight	7 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4
Package 2 Height	3.5 cm
Package 2 Width	4.2 cm
Package 2 Length	4.5 cm
Package 2 Weight	35 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	288
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	2.761 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Pvc Free

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)
[EU RoHS Declaration](#)

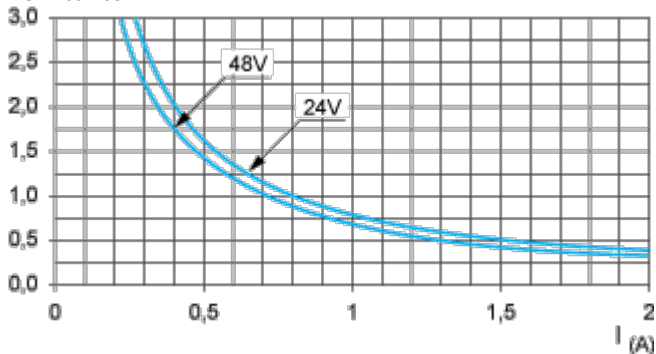
China Rohs Regulation [China RoHS declaration](#)

Performance Curves

Electrical Durability (in Millions of Operating Cycles) Conforming to IEC 60947-5-1

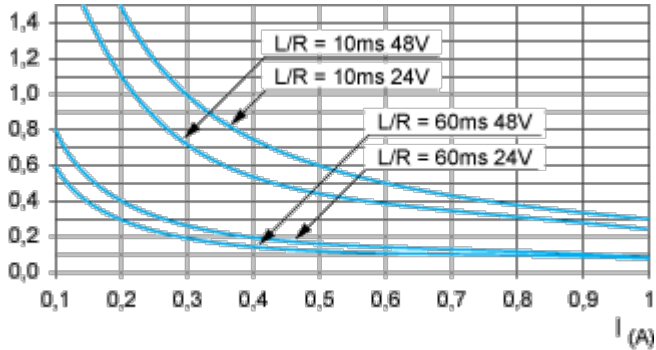
DC Loads

DC12 curves



DC12 control of resistive loads and of solid state loads isolated by optocoupler, $I/R \leq 1$ ms.

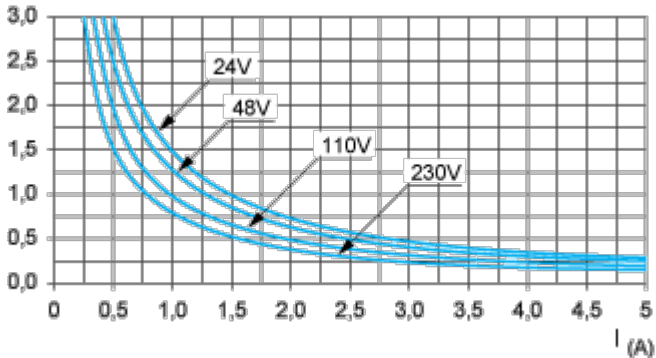
DC13 curves



DC13 switching electromagnets, $L/R \leq 2 \times (U_e \times I_e)$ in ms, U_e : rated operational voltage, I_e : rated operational current (with a protective diode on the load, DC12 curves must be used with a coefficient of 0.9 applied to the number in millions of operating cycles)

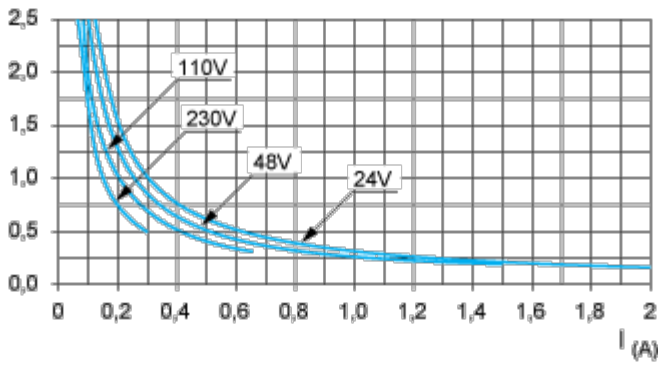
AC Loads

AC12 curves



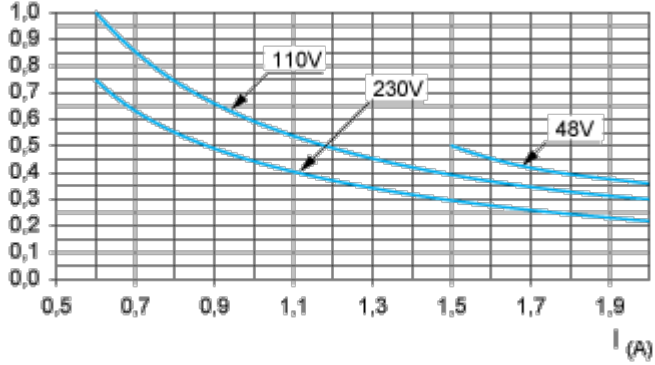
AC12 control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \geq 0.9$.

AC14 curves



AC14 control of small electromagnetic loads ≤ 72 VA, make: $\cos \phi = 0.3$, break: $\cos \phi = 0.3$.

AC15 curves



AC15 control of electromagnetic loads > 72 VA, make: $\cos \phi = 0.7$, break: $\cos \phi = 0.4$.