

Product datasheet

Specifications




plug-in electromechanical relay - 10 mm - 24 V DC - 1 CO

Local distributor code:

395510454

ABR7S23

 **Discontinued on:** 9 Feb 2023

EAN Code: 3389110644753

 **Discontinued**

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 | ABE7P16T215 ABE7P16T230 ABE7P16T212 ABE7R16T231 ABE7P16T214 ABE7P16T230E ABE7R16T230 ABE7P16T210 |
| [Uc] Control Circuit Voltage | 24 V |
| [Ith] Conventional Free Air Thermal Current | 5 A |
| Contacts Type And Composition | 1 C/O |
| 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: 1200 mA at 230 V AC-12 500000 cycles, maximum switching current: 1200 mA at 24 V DC-12 500000 cycles, maximum switching current: 450 mA at 24 V DC-13 10 ms 500000 cycles, maximum switching current: 700 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 Ie |
| Mechanical Durability | 20000000 cycles |
| [Uimp] Rated Impulse Withstand Voltage | 2.5 kV conforming to IEC 60947-1 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|------------|----------|
| Net Weight | 0.01 kg |
| | 0.008 kg |

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 | 3.500 cm |
| Package 1 Width | 4.500 cm |
| Package 1 Length | 4.500 cm |
| Package 1 Weight | 9.000 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 4 |
| Package 2 Height | 3.500 cm |
| Package 2 Width | 4.500 cm |
| Package 2 Length | 4.500 cm |
| Package 2 Weight | 40.000 g |
| Unit Type Of Package 3 | S01 |
| Number Of Units In Package 3 | 288 |
| Package 3 Height | 15.000 cm |
| Package 3 Width | 15.000 cm |
| Package 3 Length | 40.000 cm |
| Package 3 Weight | 2.805 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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

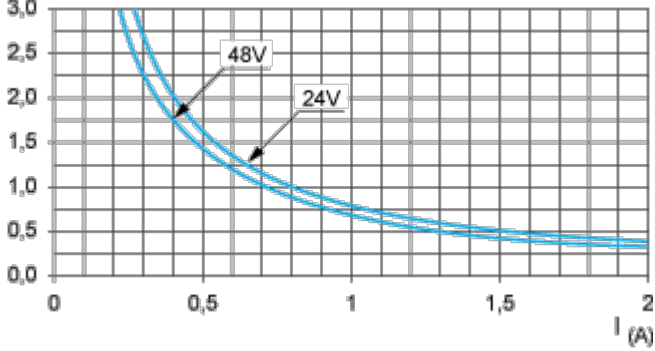
| | | |
|-----------------------|--|-----|
| ✓ | Reach Free Of Svhc | |
| ✓ | Toxic Heavy Metal Free | |
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Pvc Free | |
| | | |
| Reach Regulation | REACH Declaration | |
| | | |
| Eu Rohs Directive | Pro-active compliance (Product out 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

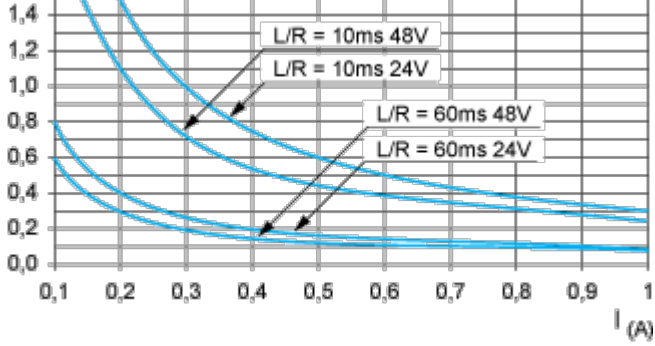
DC Loads

DC12 curves



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

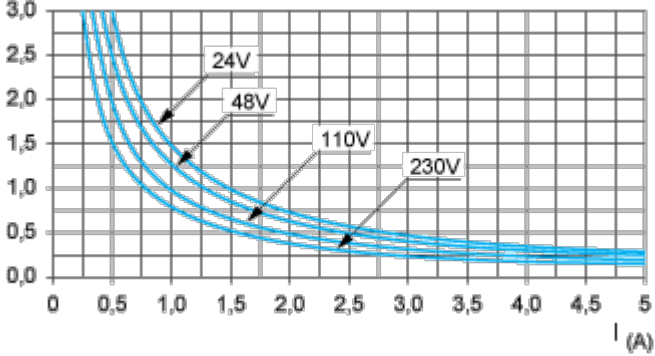
DC13 curves



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

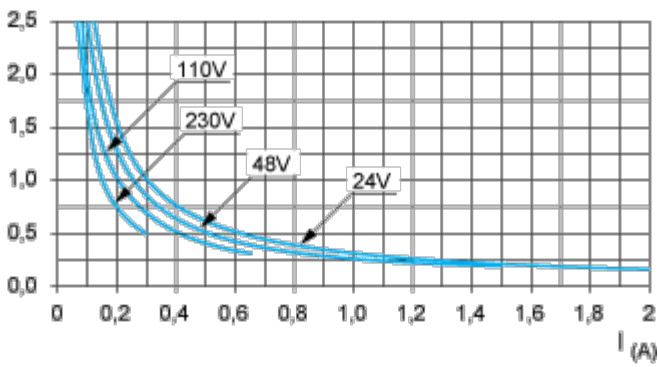
AC12 curves



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

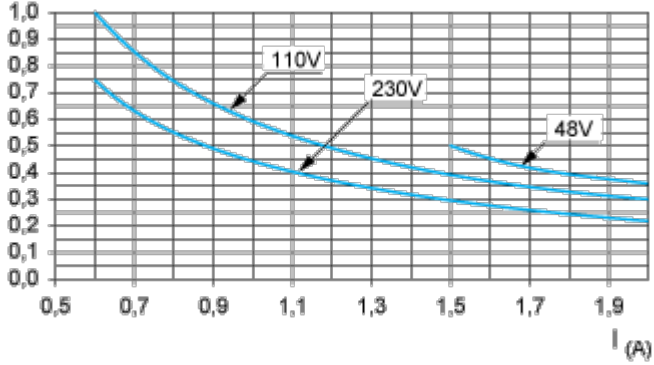
AC14 curves





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: $\cos \phi = 0.4$.