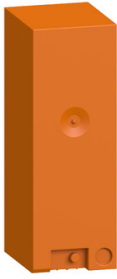


# Product data sheet

Specifications



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

ABR7S21

Product availability: Stock - Normally stocked in distribution facility

Price\*: 17.10 USD

### 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	0.4 in (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 104 °F (40 °C)
Drop-out voltage	2.4 V 68 °F (20 °C)
Drop-out current	1 mA 68 °F (20 °C)
Maximum power dissipation per pole	0.36 W
Associated fuse rating	1 A, fast blow
Maximum switching voltage	130 V DC IEC 60947-5-1 250 V AC 50/60 Hz IEC 60947-5-1
Electrical durability	500000 cycles 1500 mA 230 V AC-12 500000 cycles 1500 mA 24 V DC-12 500000 cycles 600 mA 24 V DC-13 10 ms 500000 cycles 900 mA 230 V AC-15
Minimum switching current	10 mA >= 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 IEC 60947-1
Width	0.4 in (10 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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Net Weight	0.018 lb(US) (0.008 kg)
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## Environment

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Max immunity to microbreaks	5 ms
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Dielectric strength	2000 V IEC 60947-1
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## Ordering and shipping details

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Category	US10CP222375
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Discount Schedule	0CP2
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GTIN	3389110644739
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Returnability	Yes
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Country of origin	JP
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	1.38 in (3.5 cm)
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Package 1 Width	1.65 in (4.2 cm)
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Package 1 Length	1.77 in (4.5 cm)
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Package 1 Weight	0.2 oz (7 g)
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Unit Type of Package 2	BB1
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Number of Units in Package 2	4
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Package 2 Height	1.38 in (3.5 cm)
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Package 2 Width	1.65 in (4.2 cm)
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Package 2 Length	1.77 in (4.5 cm)
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Package 2 Weight	1.2 oz (35 g)
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Unit Type of Package 3	S01
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Number of Units in Package 3	288
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Package 3 Height	5.91 in (15 cm)
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Package 3 Width	5.91 in (15 cm)
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Package 3 Length	15.75 in (40 cm)
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Package 3 Weight	6.087 lb(US) (2.761 kg)
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## Contractual warranty

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Warranty	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[How this information helps you](#) >

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	No
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<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
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REACH Regulation	<a href="#">REACH Declaration</a>
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China RoHS Regulation	<a href="#">China RoHS declaration</a>
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California proposition 65	<b>WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></b>
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PVC free	Yes
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### Use Again

#### Repack and remanufacture

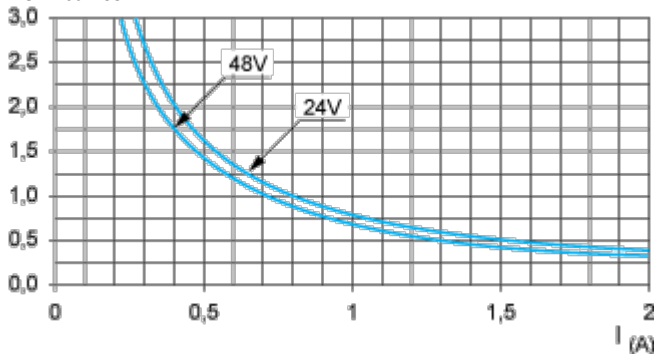
Take-back	No
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Performance Curves

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

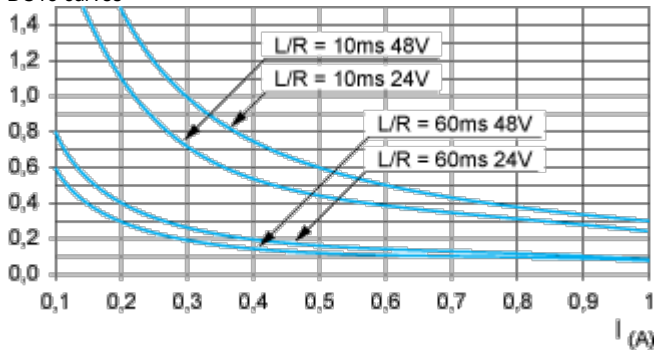
**DC Loads**

DC12 curves



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

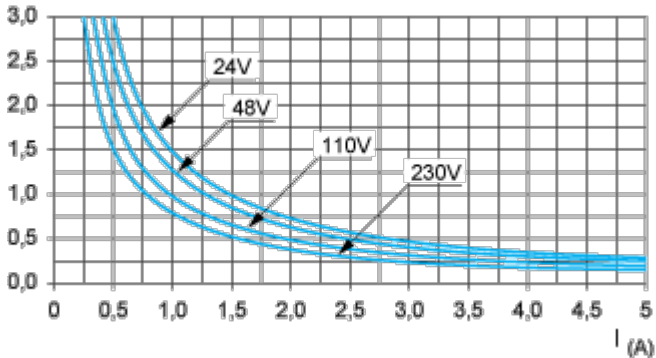
DC13 curves



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)

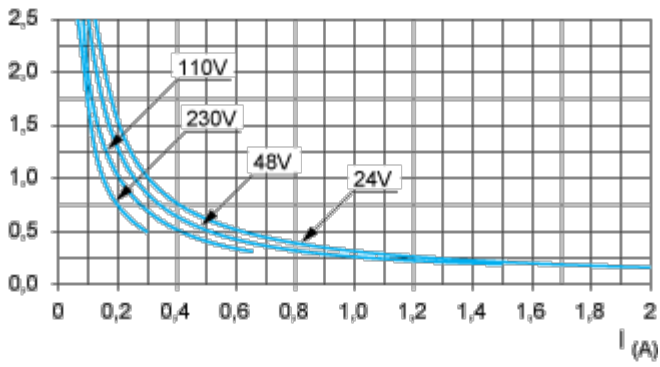
**AC Loads**

AC12 curves



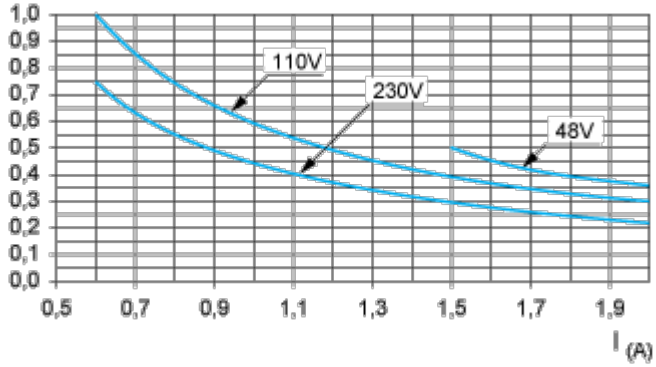
AC12 control of resistive loads and of solid state loads isolated by optocoupler,  $\cos \phi \geq 0.9$ .

AC14 curves



AC14 control of small electromagnetic loads  $\leq 72$  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:  $\cos \phi = 0.4$ .

Image of product / Alternate images

Alternative

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