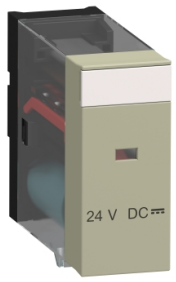
Product data sheet

Specifications



plug-in electromechanical relay - 12.5 mm - 24 V DC - 1 CO

ABR7S33

Product availability: Stock - Normally stocked in distribution facility

Price*: 24.70 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	0.47 in (12 mm)
Product Compatibility	ABE7P08T330E ABE7R16T332 ABE7P16T334 ABE7P16T318E ABE7P16T318 ABE7P16T332 ABE7P16T330 ABE7R16T330 ABE7P16T330E ABE7P08T330
[Uc] Control Circuit Voltage	24 V
[Ith] Conventional Free Air Thermal Current	10 A
Contacts Type And Composition	1 C/O
Threshold Tripping Voltage	16.8 V 104 °F (40 °C)
Drop-Out Voltage	3.6 V 68 °F (20 °C)
Drop-Out Current	3.5 mA 68 °F (20 °C)
Maximum Power Dissipation Per Pole	0.6 W
Associated Fuse Rating	1 A, fast blow
Maximum Switching Voltage	130 V DC IEC 60947-5-1 264 V AC 50/60 Hz IEC 60947-5-1
Electrical Durability	500000 cycles 1400 mA 24 V DC-13 10 ms 500000 cycles 1700 mA 230 V AC-15 500000 cycles 3000 mA 230 V AC-12 500000 cycles 3000 mA 24 V DC-12
Minimum Switching Current	100 mA >= 5 V
Electrical Reliability	1e-008
Operating Rate In Hz	5 Hz no load 0.5 Hz at Ie
Mechanical Durability	20000000 cycles
[Uimp] Rated Impulse Withstand Voltage	2.5 kV IEC 60947-1

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

Net Weight	0.04 lb(US) (0.017 kg)

Environment

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

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
Gtin	3389110720747
Returnability	Yes
Country Of Origin	LV

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.47 in (1.2 cm)
Package 1 Width	1.10 in (2.8 cm)
Package 1 Length	1.57 in (4 cm)
Package 1 Weight	0.71 oz (20 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4
Package 2 Height	1.38 in (3.5 cm)
Package 2 Width	2.36 in (6 cm)
Package 2 Length	1.77 in (4.5 cm)
Package 2 Weight	2.96 oz (84 g)
Unit Type Of Package 3	S01
Number Of Units In Package 3	288
Package 3 Height	5.91 in (15 cm)
Package 3 Width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	13.74 lb(US) (6.232 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-CO_2 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	

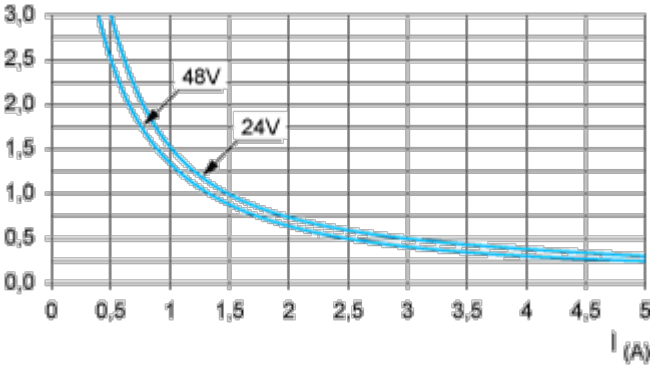
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Performance Curves

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

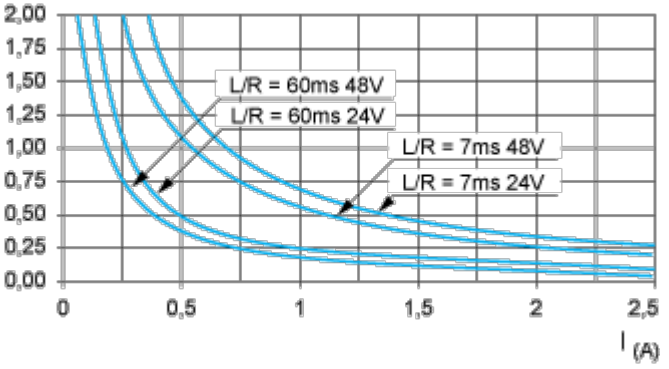
DC Loads

DC12 curves



DC12 control of resistive loads and of solid state loads isolated by optocoupler, l/R ≤ 1 ms.

DC13 curves

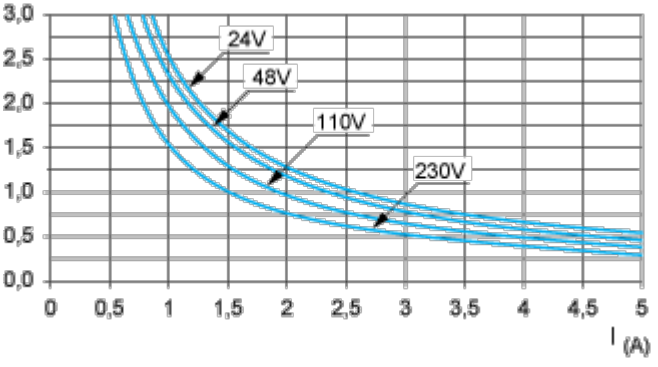


DC13

Switching electromagnets, L/R ≤ 2 x (Ue x Ie) in ms, Ue: rated operational voltage, Ie: 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)

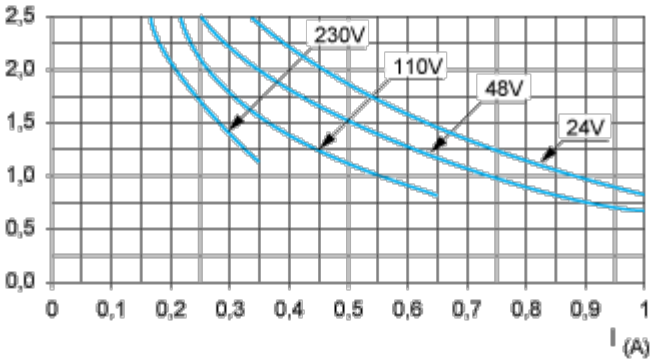
AC Loads

AC12 curves



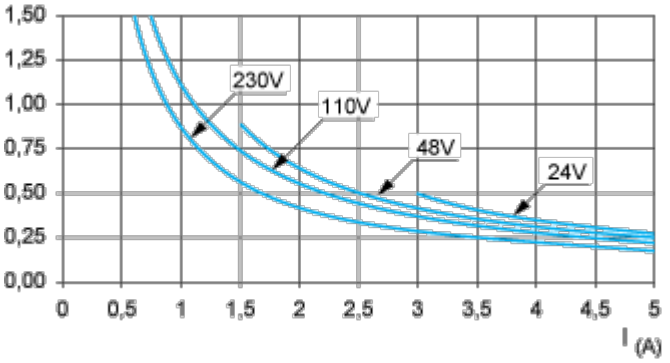
AC12 control of resistive loads and of solid state loads isolated by optocoupler, cos ϕ ≥ 0.9.

AC14 curves



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

AC15 curves



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