ABR7S33



Main

Range of product	Advantys Telefast ABE7
Product or component type	Plug-in electromechanical relay
Control circuit type	DC
Quantity per set	Set of 4

Complementary

Width pitch dimension	0.47 in (12 mm)
Product compatibility	ABE7P08T330 ABE7P08T330E ABE7P16T318 ABE7P16T318E ABE7P16T330 ABE7P16T330E ABE7P16T332 ABE7P16T334 ABE7R16T330
	ABE7R16T330 ABE7R16T332
[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 at 104 °F (40 °C)
Drop-out voltage	3.6 V at 68 °F (20 °C)
Drop-out current	3.5 mA at 68 °F (20 °C)
Power dissipation per pole	<= 0.6 W
Associated fuse rating	1 A fast blow
Maximum switching voltage	130 V DC conforming to IEC 60947-5-1 264 V AC 50/60 Hz conforming to IEC 60947-5-1
Electrical durability	500000 cycles, maximum switching current: 1400 mA at 24 V DC-13 10 ms 500000 cycles, maximum switching current: 1700 mA at 230 V AC-15 500000 cycles, maximum switching current: 3000 mA at 230 V AC-12 500000 cycles, maximum switching current: 3000 mA at 24 V DC-12
Minimum switching current	100 mA at >= 5 V
Electrical reliability	1e-008
Operating rate in Hz	5 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
Product weight	0.04 lb(US) (0.017 kg)

Environment

max immunity to microbreaks	<= 5 ms
dielectric strength	2000 V conforming to IEC 60947-1

Offer Sustainability

Not Green Premium product Not Green Pr	remium product
Compliant - since 0701 - Schneider Electric declaration Compliant - s	since 0701 - Schneider Electric declaration of conformity

WARNING: This product can expose you to chemicals including:

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Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

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For more information go to www.p65warnings.ca.gov

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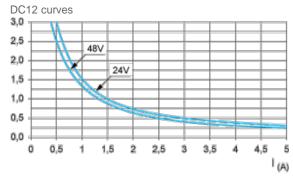
Contractual warranty

Warranty period

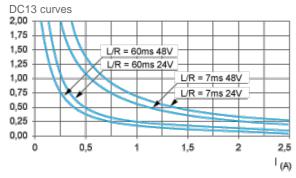
18 months

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

DC Loads

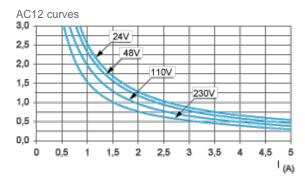


DC12control of resistive loads and of solid state loads isolated by optocoupler, I/R ≤ 1 ms.



DC13switching electromagnets, L/R ≤ 2 x (Ue x le) in ms, Ue: rated operational voltage, le: 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)

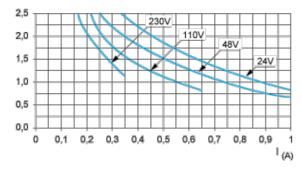
AC Loads



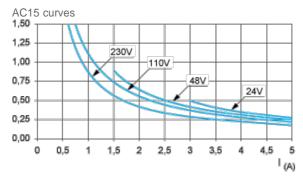
AC12control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \ge 0.9$.

AC14 curves





AC14control of small electromagnetic loads \leq 72 VA, make: $\cos \phi = 0.3$, break: $\cos \phi = 0.3$.



AC15control of electromagnetic loads > 72 VA, make: $\cos \phi = 0.7$, break: $\cos \phi = 0.4$.