



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 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 Ie
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 Premium product
Compliant - since 0701 - Schneider Electric declaration of conformity	Compliant - since 0701 - Schneider Electric declaration of conformity

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov

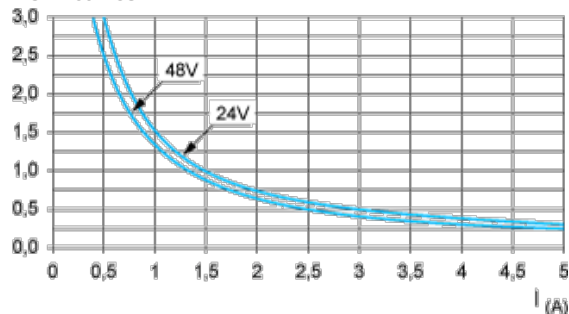
Contractual warranty

Warranty period	18 months
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Electrical Durability (in Millions of Operating Cycles) Conforming to IEC 60947-5-1

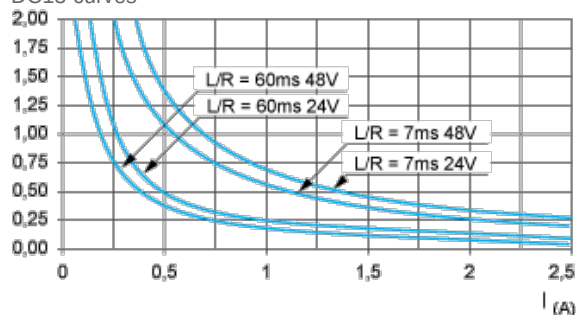
DC Loads

DC12 curves



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

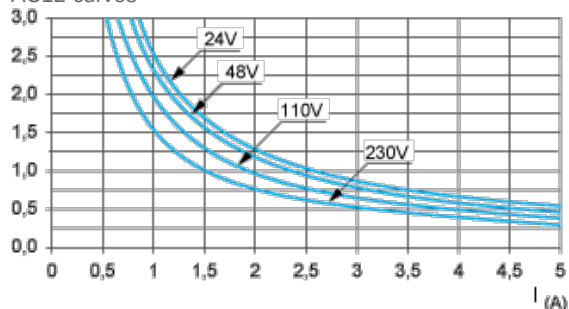
DC13 curves



DC13switching 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)

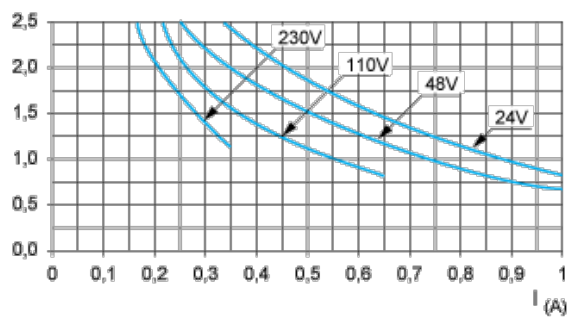
AC Loads

AC12 curves



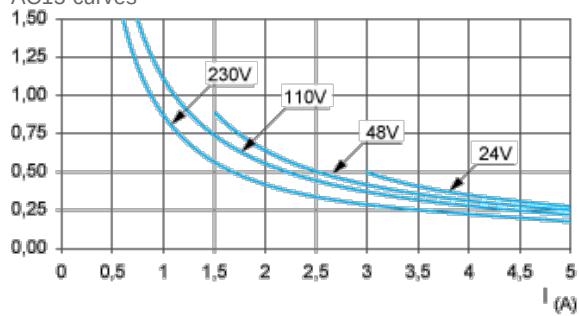
AC12control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \geq 0.9$.

AC14 curves



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

AC15 curves



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