

Product availability: Non-Stock - Not normally stocked in distribution facility



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	ABE7R16T370
[Uc] control circuit voltage	24 V
[Ith] conventional free air thermal current	8 A
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: 1000 mA at 24 V DC-13 10 ms 500000 cycles, maximum switching current: 1300 mA at 230 V AC-15 500000 cycles, maximum switching current: 2500 mA at 230 V AC-12 500000 cycles, maximum switching current: 2500 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

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901299530
Nbr. of units in pkg.	4
Package weight(Lbs)	0.01
Returnability	N
Country of origin	MY

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

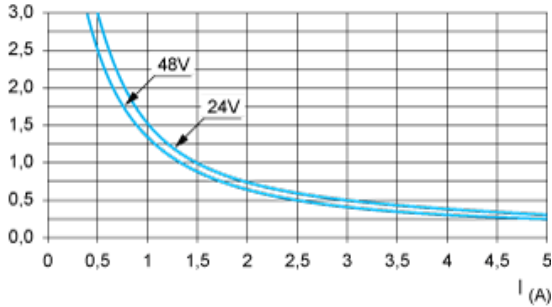
Contractual warranty

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

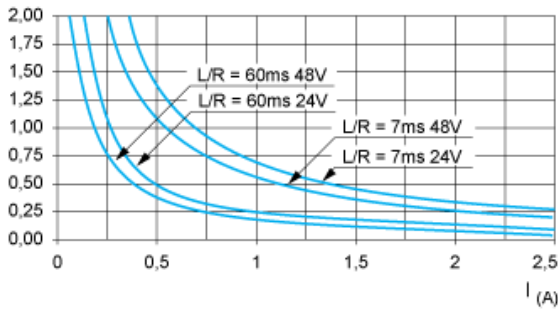
DC Loads

DC12 curves



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

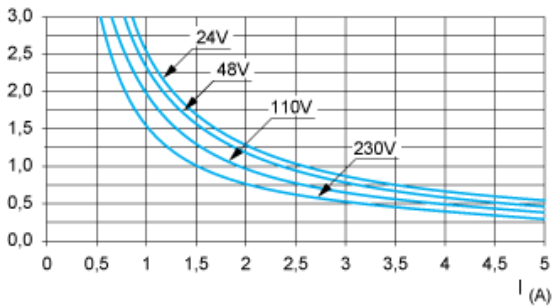
DC13 curves



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)

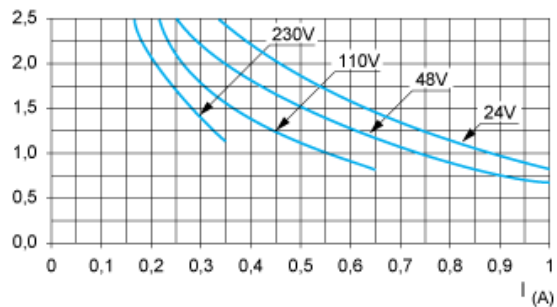
AC Loads

AC12 curves



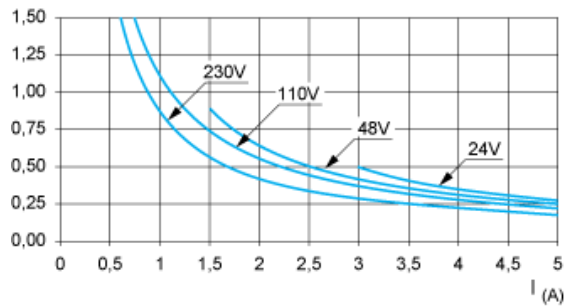
AC12control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \geq 0.9$.

AC14 curves



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: $\cos \phi = 0.4$.

Mouser Electronics

Authorized Distributor

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