



## 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	10 mm
Product compatibility	ABE7P16T215 ABE7P16T230 ABE7P16T212 ABE7R16T231 ABE7P16T214 ABE7P16T230E ABE7R16T230 ABE7P16T210
[Uc] control circuit voltage	24 V
[Ith] conventional free air thermal current	5 A
Contacts type and composition	1 C/O
Threshold tripping voltage	19.7 V at 40 °C
Drop-out voltage	2.4 V at 20 °C
Drop-out current	1 mA at 20 °C
Maximum power dissipation per pole	0.36 W
Associated fuse rating	1 A, fast blow
Maximum switching voltage	130 V DC conforming to IEC 60947-5-1 250 V AC 50/60 Hz conforming to IEC 60947-5-1
Electrical durability	500000 Cycles, maximum switching current: 1200 mA at 230 V AC-12 500000 Cycles, maximum switching current: 1200 mA at 24 V DC-12 500000 Cycles, maximum switching current: 450 mA at 24 V DC-13 10 ms 500000 cycles, maximum switching current: 700 mA at 230 V AC-15
Minimum switching current	10 mA at $\geq 5$ V
Electrical reliability	1e-008
Operating rate in Hz	10 Hz no load 0.5 Hz at Ie
Mechanical durability	20000000 cycles
[Uimp] rated impulse withstand voltage	IEC 60947-1 2.5 kV
Net weight	0.01 Kg 0.008 kg

## Environment

Max immunity to microbreaks	5 ms
Dielectric strength	2000 V conforming to IEC 60947-1

## Packing Units

Package 1 Weight	0.009 kg
Package 1 Height	0.350 dm
Package 1 width	0.600 dm
Package 1 Length	0.450 dm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
PVC free	Yes

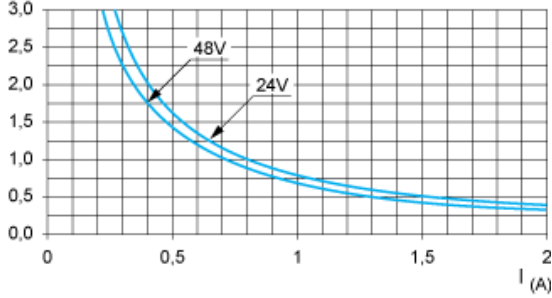
## Contractual warranty

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

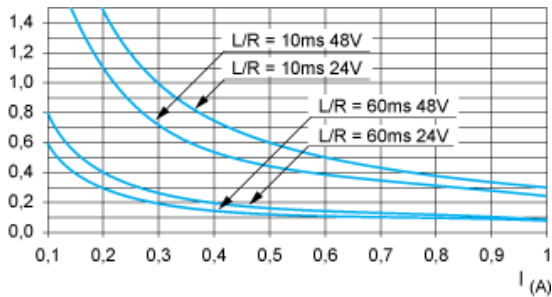
DC Loads

DC12 curves



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

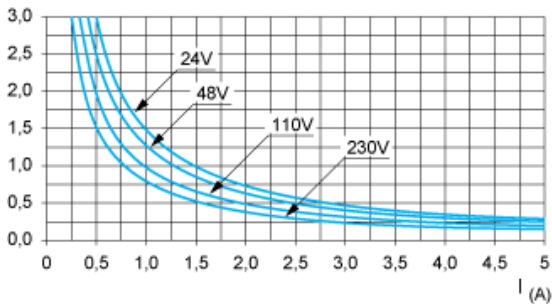
DC13 curves



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)

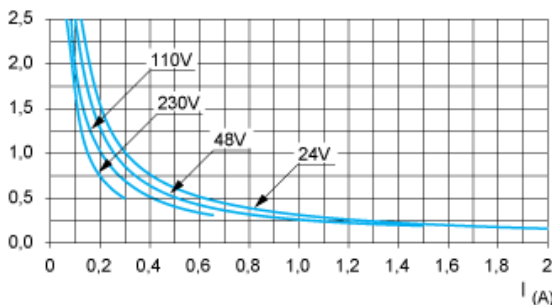
AC Loads

AC12 curves



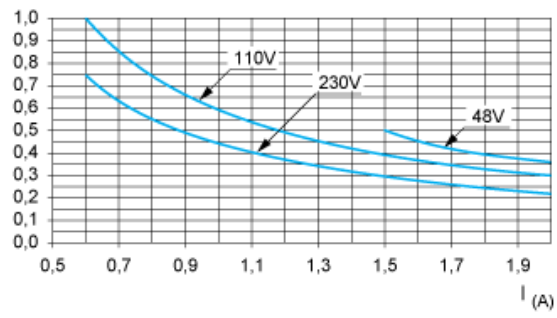
AC12control of resistive loads and of solid state loads isolated by optocoupler,  $\cos \phi \geq 0.9$ .

AC14 curves



AC14control of small electromagnetic loads  $\leq 72$  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:  $\cos \phi = 0.4$ .