



## 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	ABE7P16T212 ABE7P16T214 ABE7P16T210 ABE7P16T230E ABE7R16T210 ABE7R16T212 ABE7P16T215 ABE7P16T230
[Uc] control circuit voltage	24 V
[Ith] conventional free air thermal current	5 A
Contacts type and composition	1 NO
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: 1500 mA at 230 V AC-12 500000 Cycles, maximum switching current: 1500 mA at 24 V DC-12 500000 Cycles, maximum switching current: 600 mA at 24 V DC-13 10 ms 500000 Cycles, maximum switching current: 900 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 le
Mechanical durability	20000000 Cycles
[Uimp] rated impulse withstand voltage	2.5 KV conforming to IEC 60947-1
Width	10 Mm
Net weight	0.008 Kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

## Environment

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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3 G
Package 1 Height	3.5 Cm
Package 1 width	4.2 Cm
Package 1 Length	4.5 Cm
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Weight	35 G
Package 2 Height	3.5 Cm
Package 2 width	4.2 Cm
Package 2 Length	4.5 Cm
Unit Type of Package 3	S01
Number of Units in Package 3	288
Package 3 Weight	2.772 Kg
Package 3 Height	15 Cm
Package 3 width	15 Cm
Package 3 Length	40 Cm

## Offer Sustainability

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

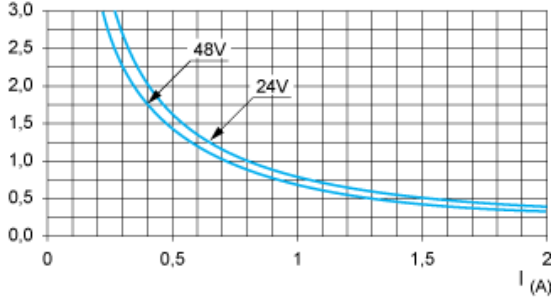
## Contractual warranty

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

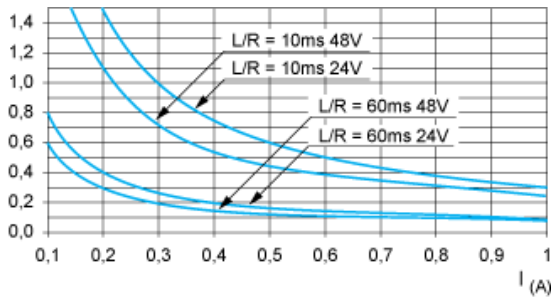
DC Loads

DC12 curves



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

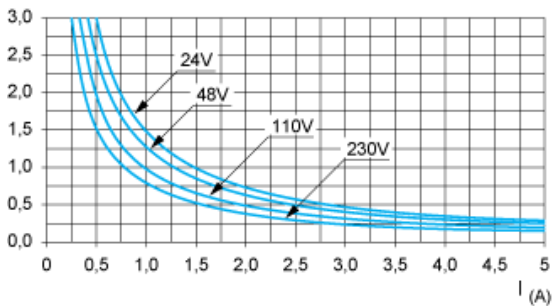
DC13 curves



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,

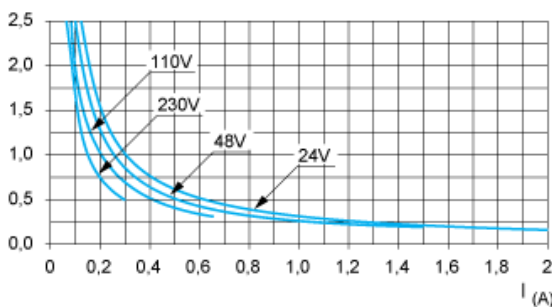
AC Loads

AC12 curves



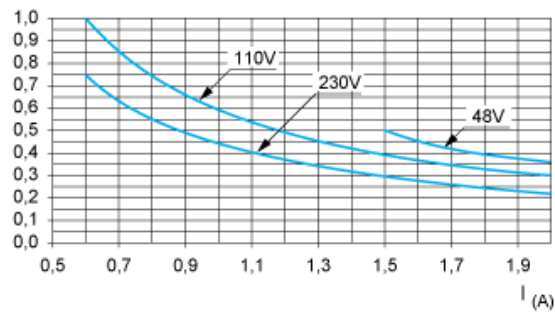
AC12control of resistive loads and of solid state loads isolated by optocoupler,  $\cos \phi \geq 0.9$ .

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:  $\cos \phi = 0.4$ .

Product Life Status : **Commercialised**