

Telemecanique ABE7-H16S21  
**Terminal Block**



© Artisan Technology Group

**\$150.00**

**In Stock**

**Qty Available: 10+**

**Used and in Excellent Condition**

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# ABE7P16T330

sub-base for plug-in relay ABE7 - 16 channels -  
relay 12.5 mm

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



Price\*\* : 590.00 USD



## Main

|                           |  |
|---------------------------|--|
| Range of product          | Modicon ABE7   |
| Product or component type | Sub-base for plug-in relay   |
| Sub-base type             | Output sub-base  |
| [Us] rated supply voltage | 19...30 V IEC 61131-2  |
| Number of channels        | 16   |
| Connections - terminals   | Screw type terminals, 1 x 0.09...1 x 1.5 mm <sup>2</sup> AWG 28...AWG 16) flexible with cable end<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> AWG 26...AWG 12) solid<br>Screw type terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> AWG 26...AWG 14) flexible without cable end<br>Screw type terminals, 2 x 0.09...2 x 0.75 mm <sup>2</sup> AWG 28...AWG 20) flexible with cable end<br>Screw type terminals, 2 x 0.2...2 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) solid |

## Complementary

|  |  |
|--|--|
| Supply voltage type                    | DC   |
| Product compatibility                  | ABE7ACC21<br>ABR7S33<br>ABS7SC3..<br>ABS7A3.                                       |
| Status LED                             | Channel status 1 LED per channel green)<br>Power ON 1 LED green)                   |
| Polarity distribution                  | Volt-free  |
| Short-circuit protection               | 1 A internal fuse, 5 x 20 mm, fast blow PLC end)                                   |
| Fixing mode                            | By clips 35 mm symmetrical DIN rail)<br>By screws solid plate with fixing kit)     |
| Maximum supply current                 | 1 A  |
| Voltage drop on power supply fuse      | 0.3 V  |
| Maximum current per output common      | 16 A   |
| [Ui] rated insulation voltage          | 300 V coil circuit/contact circuits IEC 60947-1<br>2000 V terminals/mounting rails |
| [Uimp] rated impulse withstand voltage | 2.5 kV   |

|                       |                                     |
|-----------------------|-------------------------------------|
| Installation category | II IEC 60664-1                      |
| Tightening torque     | 5.31 lbf.in (0.6 N.m) flat Ø 3.5 mm |
| Product weight        | 1.98 lb(US) (0.9 kg)                |

## Environment

|                                       |  |
|---------------------------------------|--|
| Product certifications                | DNV<br>BV<br>CSA<br>GL<br>LROS (Lloyds register of shipping)<br>UL     |
| IP degree of protection               | IP2x IEC 60529   |
| Resistance to incandescent wire       | 1382 °F (750 °C) 30 s IEC 60695-2-11                                   |
| Shock resistance                      | 15 gn 11 ms IEC 60068-2-27   |
| Vibration resistance                  | 2 gn 10...150 Hz)IEC 60068-2-6   |
| Resistance to electrostatic discharge | 4 kV contact) level 3 IEC 61000-4-2<br>8 kV air) level 3 IEC 61000-4-2 |
| Resistance to radiated fields         | 9.14 V/m (10 V/m) 26000000...1000000000 Hz)IEC 61000-4-3 level 3       |
| Resistance to fast transients         | 2 kV level 3 IEC 61000-4-4   |
| Ambient air temperature for operation | 23...140 °F (-5...60 °C) IEC 61131-2                                   |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C) IEC 61131-2                                 |
| Pollution degree                      | 2 IEC 60664-1  |

## Ordering and shipping details

|                     |                                   |
|---------------------|-----------------------------------|
| Category            | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule   | CP2                               |
| GTIN                | 00785901773344                    |
| Package weight(Lbs) | 0.79 kg (1.74 lb(US))             |
| Returnability       | No                                |
| Country of origin   | LV                                |

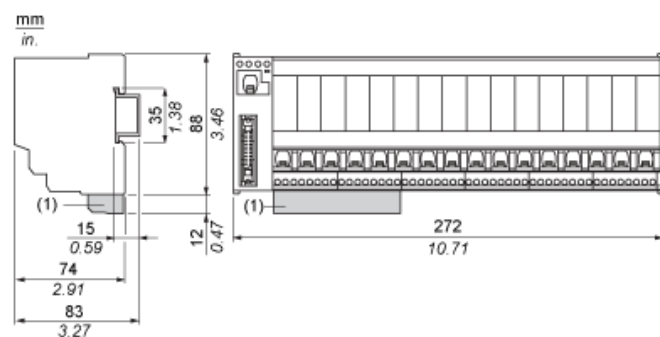
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| 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)<br><a href="#">EU RoHS Declaration</a>   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.  |

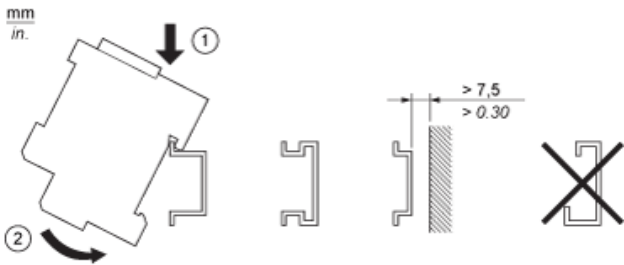
## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

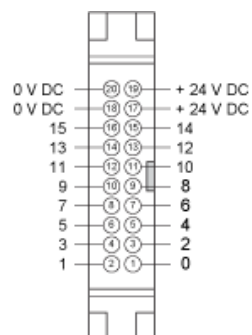
## Dimensions



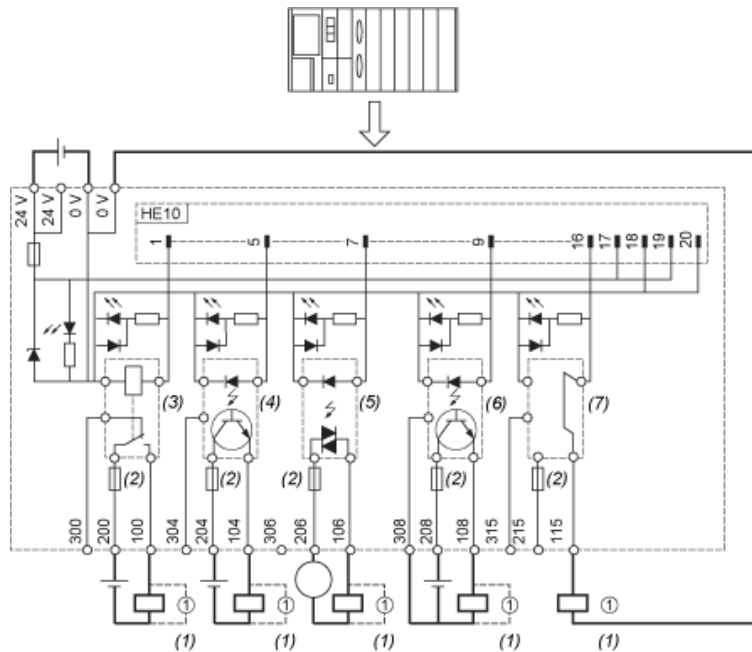
Mounting



## HE10 16 Channels



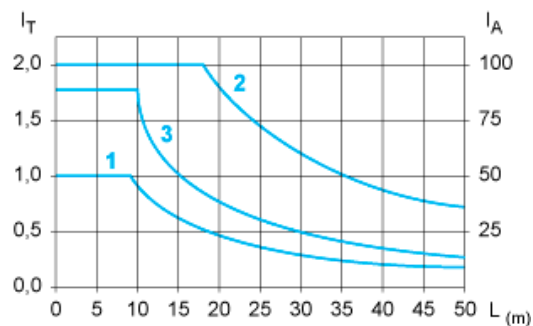
## Wiring Diagram



- (1) Inductive load
- (2) Fuse only for ABE7P16T334
- (3) ABR7S33 (1 "OF" "DPDT") Ith = 10 A (supplied)
- (4) ABS7SC3E (5...48 VDC) I<sub>max.</sub> = 1.5 A (not supplied)
- (5) ABS7SA3M (24...240 VAC) I<sub>max.</sub> = 1.5 A (not supplied)
- (6) ABS7SC3BA (24 VDC) I<sub>max.</sub> = 2 A (not supplied)
- (7) ABE7ACC21 (24 VDC) I<sub>max.</sub> = 0.5 A (not supplied)

## Curves for Determining Cable Type and Length According to the Current

### 16-channel Sub-base



L Cable length

$I_T$  Total current per sub base (A)

$I_A$  Average current per channel (mA)

(1) TSXCDP••2 and ABFH20H••0 cables with c.s.a.  $0.08 \text{ mm}^2$  (AWG 28).

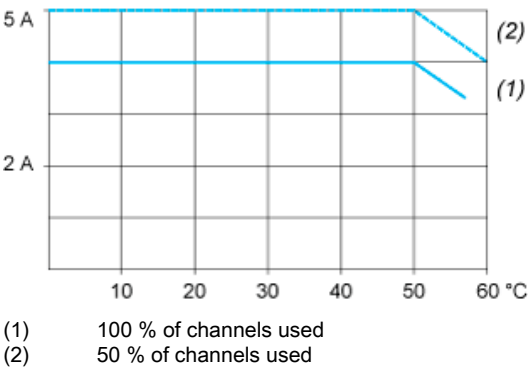
(2) TSXCDP••3 cables with c.s.a.  $0.34 \text{ mm}^2$  (AWG 22).

(3) Cables with c.s.a.  $0.13 \text{ mm}^2$  (AWG 26).

The curves are given for a voltage drop of 1 V in the cable. For n volts tolerance, multiply the length determined from the graph by n.



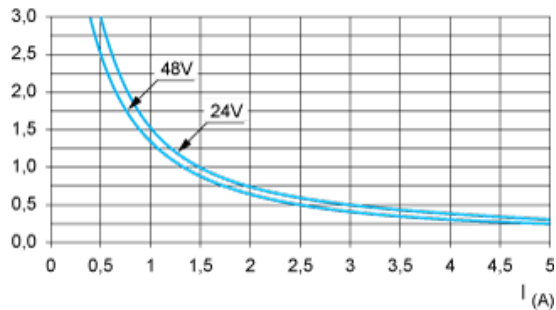
Temperature Derating Curves



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

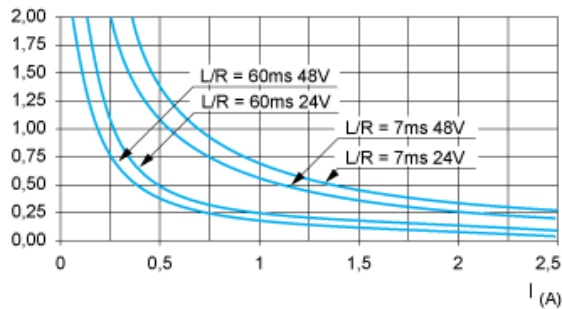
DC Loads

DC12 curves



DC12 control of resistive loads and of solid state loads isolated by optocoupler,  $I/R \leq 1$  ms.

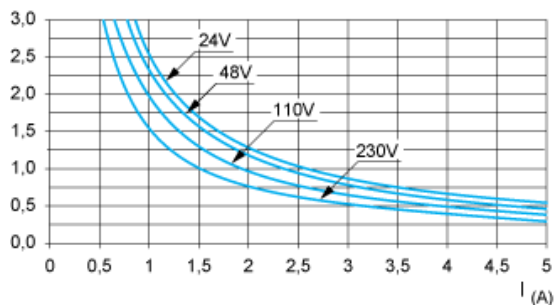
DC13 curves



DC13 Switching 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)

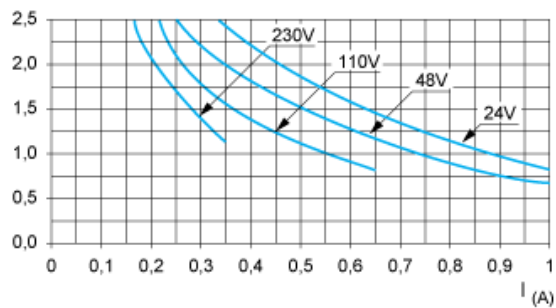
AC Loads

AC12 curves



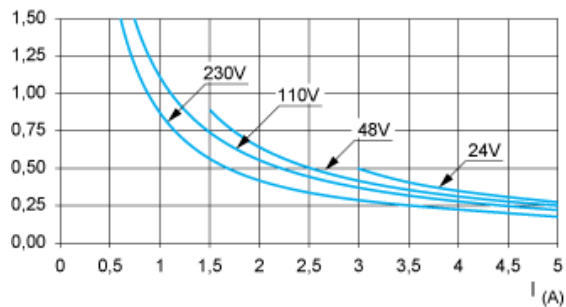
AC12 control of resistive loads and of solid state loads isolated by optocoupler,  $\cos \phi \geq 0.9$ .

AC14 curves



AC14 control 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:  $\cos \phi = 0.4$ .

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