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Find the *Schneider Electric / AEG / Telemecanique ABE7-H16S21* at our website: *Click HERE*

Product data sheet
Characteristics

ABE7H16S21
passive connection sub-base ABE7 - 16 inputs or outputs - Led - isolator



Main

Range of product	Advantys Telefast ABE7
Product or component type	Passive discrete I/O sub-base
Sub-base type	I/O sub-base
[Us] rated supply voltage	19...30 V conforming to IEC 61131-2
Number of channels	16
Number of terminal per channel	2
Connections - terminals	Screw type terminals, clamping capacity: 2 x 0.2...2 x 2.5 mm² AWG 24...14 solid Screw type terminals, clamping capacity: 2 x 0.09...2 x 0.75 mm² AWG 28...20 flexible with cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...14 flexible without cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...12 solid Screw type terminals, clamping capacity: 1 x 0.09...1 x 1.5 mm² AWG 28...16 flexible with cable end
Channel additional information	1 switch disconnector per channel

Complementary

Supply voltage type	DC
Number of horizontal rows	2
Status LED	1 LED, green for power ON 1 LED per channel, green for channel status
Polarity distribution	0 V or 24 V
Short circuit protection	2 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Connector type	HE-10
Pin number	20 pins
Fixing mode	By screws on solid plate with fixing kit By clips on 35 mm symmetrical DIN rail
Supply current	<= 1.8 A
Current per channel	<= 0.5 A
Current per output common	<= 1.8 A
Voltage drop on power supply fuse	0.3 V
[Ui] rated insulation voltage	2000 V
Installation category	II conforming to IEC 60664-1
Tightening torque	0.6 N.m (withflat Ø 3.5 mm
Width	125 mm
Product weight	0.375 kg

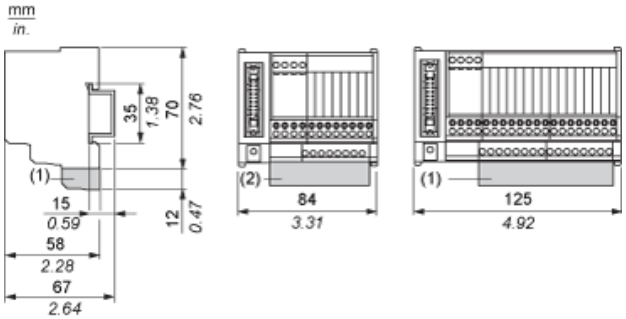
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Environment

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

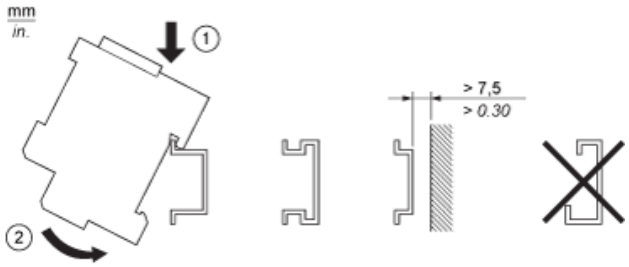
ABE7H16S21

Dimensions

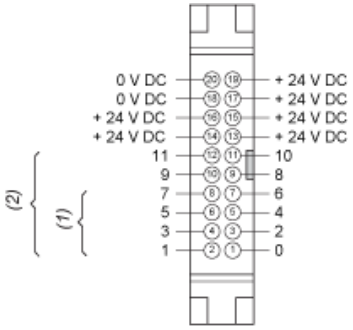


(1) ABE7BV10 / BV20, ABE7BV10E / BV20E
(2) ABE7BV10, ABE7BV10E

Mounting

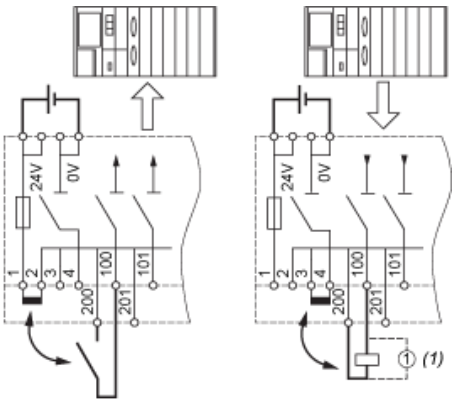


HE10 8/12 Channels



(1) 8 channels
(2) 12 channels

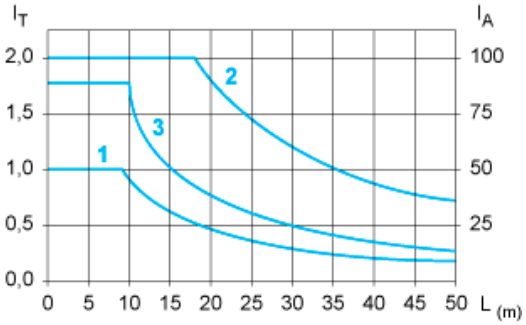
Wiring Diagram



(1) Inductive load

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 mm^2 (AWG 28).
(2) TSXCDP••3 cables with c.s.a. 0.34 mm^2 (AWG 22).
(3) Cables with c.s.a. 0.13 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.

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