Product datasheet

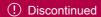




passive connection sub-base ABE7 - 12 inputs or outputs

ABE7H12R10

EAN Code: 3389110544886



Main

Range Of Product	Modicon ABE7
Product Or Component Type	Passive discrete I/O sub-base
Sub-Base Type	I/O sub-base
[Us] Rated Supply Voltage	1930 V conforming to IEC 61131-2
Number Of Channels	12
Number Of Terminal Per Channel	1
Connections - Terminals	Screw type terminals, 1 x 0.091 x 1.5 mm² (AWG 28AWG 16) flexible with cable end
	Screw type terminals, 1 x 0.141 x 2.5 mm² (AWG 26AWG 12) solid
	Screw type terminals, 1 x 0.141 x 2.5 mm² (AWG 26AWG 14) flexible without cable end
	Screw type terminals, 2 x 0.092 x 0.75 mm² (AWG 28AWG 20) flexible with cable end
	Screw type terminals, 2 x 0.22 x 2.5 mm ² (AWG 24AWG 14) solid

Complementary

-	
Supply Voltage Type	DC
Number Of Horizontal Rows	1
Status Led	1 LED (green) power ON
Polarity Distribution	No
Short-Circuit Protection	6.3 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Connector Type	HE-10
Pin Number	20 pins
Fixing Mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)
Maximum Supply Current	6.1 A
Current Per Channel	0.5 A
Maximum Current Per Output Common	6.1 A
Voltage Drop On Power Supply Fuse	0.2 V
[Ui] Rated Insulation Voltage	2000 V
Installation Category	II conforming to IEC 60664-1
Tightening Torque	0.6 N.m with flat Ø 3.5 mm screwdriver
Width	125 mm
Net Weight	0.274 kg

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Environment

Product Certifications	UL
	DNV
	CSA
	GL
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= 10150 Hz) conforming to IEC 60068-2-6
Resistance To Electrostatic	4 kV (contact) level 3 conforming to IEC 61000-4-2
Discharge	• •
	8 kV (air) level 3 conforming to IEC 61000-4-2
Resistance To Radiated Fields	10 V/m (260000001000000000 Hz) conforming to IEC 61000-4-3 level 3
Resistance To Fast Transients	2 kV level 3 conforming to IEC 61000-4-4
Ambient Air Temperature For Operation	-560 °C conforming to IEC 61131-2
Ambient Air Temperature For Storage	-4080 °C conforming to IEC 61131-2
Pollution Degree	2 conforming to IEC 60664-1

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

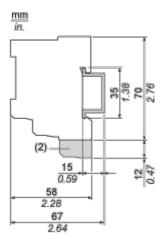
Certifications & Standards

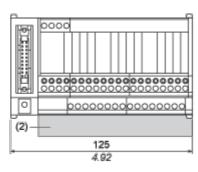
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

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Dimensions Drawings

Dimensions



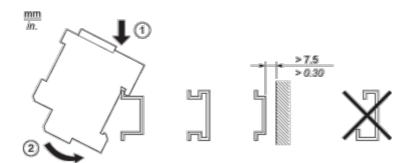


(2) ABE7BV20 / ABE7BV20E

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Mounting and Clearance

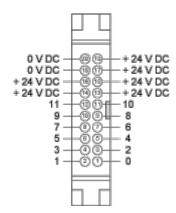
Mounting



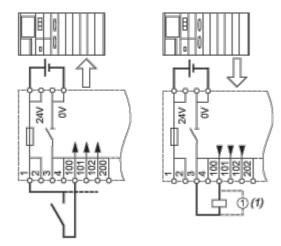
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Connections and Schema

HE10 12 Channels



Wiring Diagrams

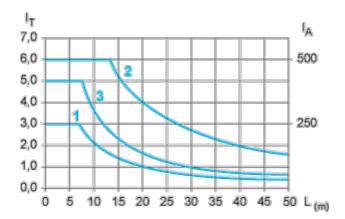


(1) Inductive load

Performance Curves

Curves for Determining Cable Type and Length According to the Current

12-channel Sub-base



- L Cable length
- I_T Total current per sub base (A)
- IA Average current per channel (mA)
- (1) TSXCDP••2 and ABFH20H••0 cables with c.s.a. 0.08 mm² (AWG 28).
- (2) TSXCDP••3 cables with c.s.a. 0.34 mm² (AWG 22).
- (3) Cables with c.s.a. 0.13 mm² (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.