Product data sheet

Specification





passive connection sub-base ABE7 - 8 inputs 8 outputs - Led

ABE7H16CM21

! Discontinued on: Jun 30, 2023

① Discontinued distribution

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

Main

Range Of Product	Modicon ABE7
Product Or Component Type	Passive discrete I/O sub-base
Sub-Base Type	Miniature sub-base
[Us] Rated Supply Voltage	1930 V IEC 61131-2
Number Of Channels	16
Number Of Terminal Per Channel	2
Connections - Terminals	Screw type terminals, 1 x 0.091 x 1.5 mm², 0.000.00 in² (0.091.5 mm²) AWG 28AWG 16) flexible with cable end
	Screw type terminals, 1 x 0.141 x 2.5 mm², 0.000.00 in² (0.142.5 mm²) AWG 26AWG 12) solid
	Screw type terminals, 1 x 0.141 x 2.5 mm², 0.000.00 in² (0.142.5 mm²) AWG 26AWG 14) flexible without cable end
	Screw type terminals, 2 x 0.092 x 0.75 mm², 0.000.00 in² (0.090.75 mm²) AWG 28AWG 20) flexible with cable end
	Screw type terminals, 2 x 0.22 x 2.5 mm², 0.000.00 in² (0.22.5 mm²) AWG 24AWG 14) solid

Complementary

Supply Voltage Type	DC
Number Of Horizontal Rows	2
Status Led	1 LED per channel (Green) channel status 1 LED (Green) power ON
Polarity Distribution	0 V or 24 V
Short-Circuit Protection	2 A internal fuse, 5 x 20 mm, fast blow PLC end)
Fixing Mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)
Maximum Supply Current	1.8 A
Current Per Channel	0.5 A
Maximum 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 IEC 60664-1
Tightening Torque	5.31 lbf.in (0.6 N.m) flat Ø 3.5 mm
Net Weight	0.44 lb(US) (0.2 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Product Certifications	10
Product Certifications	UL
	CSA
	GL
	DNV
	EAC
Ip Degree Of Protection	IP2X conforming to 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 10150 Hz)IEC 60068-2-6
Resistance To Electrostatic	4 kV contact) level 3 IEC 61000-4-2
Discharge	8 kV air) level 3 IEC 61000-4-2
Resistance To Radiated Fields	9.14 V/m (10 V/m) 260000001000000000 Hz)IEC 61000-4-3 level 3
Resistance To Fast Transients	2 kV level 3 IEC 61000-4-4
Ambient Air Temperature For Operation	23140 °F (-560 °C) IEC 61131-2
Ambient Air Temperature For Storage	-40176 °F (-4080 °C) IEC 61131-2
Pollution Degree	2 IEC 60664-1

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
Gtin	3389110251104
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.76 in (7.0 cm)
Package 1 Width	3.23 in (8.2 cm)
Package 1 Length	5.35 in (13.6 cm)
Package 1 Weight	6.63 oz (188.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	16
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.20 lb(US) (3.721 kg)

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

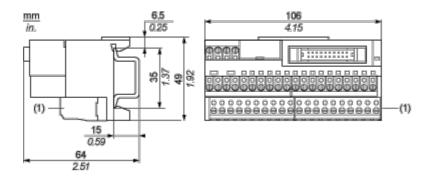
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead

Product data sheet

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Dimensions Drawings

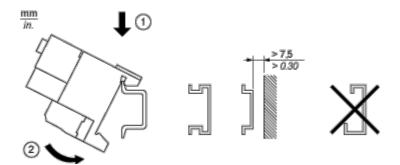
Dimensions



(1) ABE7BV10

Mounting and Clearance

Mounting

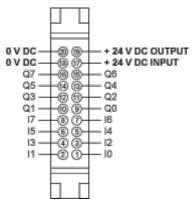


Product data sheet

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Connections and Schema

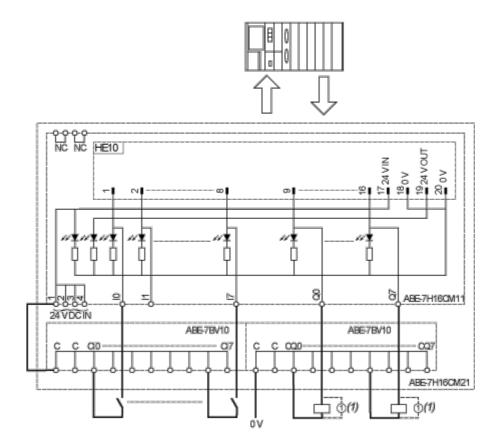
Wiring channels



Qx Outputs

lx Inputs

Wiring Diagram

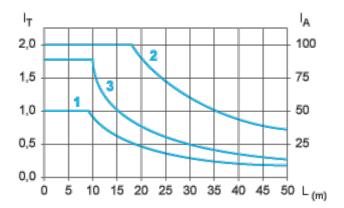


(1) Inductive load

Performance Curves

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 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.