

Product datasheet

Specifications



battery control module, phaseo ABL7 ABL8, 24V DC, 32A, 3.2AH

ABL8BPK24A03

Main

Range of product	Phaseo
product or component type	Battery module
Input voltage	24 V DC
Output voltage	24 V DC
Maximum output current	32 A
Battery capacity	3.2 Ah
Holding time	< 20 h at 0.16 A, 20 °C > 5 min at 8.4 A, 20 °C

Complementary

Input voltage limits	21...29 V
Charging time	72 h
Load current	0.3 A
Output protection type	Against overload and short-circuits, protection technology: 1 x 20 A automotive type fuse
Connections - terminals	For input connection: screw type terminals, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8
Self-discharge rate	9 %, 3 months 3 %, 1 month 15 %, 6 months
Fixing mode	By 2 screws diameter: 5 mm on horizontal panel, operating position: horizontal By 4 screws diameter: 5 mm on vertical panel, operating position: vertical By clips (with mounting kit) on 35 mm symmetrical DIN rail, operating position: horizontal By clips (with mounting kit) on 35 mm symmetrical DIN rail, operating position: vertical
Output coupling	Parallel
Operating altitude	2000 m
Service life in hours	11000 h at 40 °C 15000 h at 35 °C 22000 h at 30 °C 31000 h at 25 °C 44000 h at 20 °C 5000 h at 50 °C 7300 h at 45 °C
marking	CE
net weight	3.5 kg

Disclaimer: 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

Environment

Product certifications	CTP UL
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...50 °C
IP degree of protection	IP10 conforming to IEC 60529
Overvoltage category	Class 3 conforming to VDE 0106-1
Vibration resistance	2 gn (f= 11.9...150 Hz) conforming to IEC 61131-2 3.5 mm (f= 3...11.9 Hz) conforming to IEC 61131-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	17.000 cm
Package 1 Width	16.600 cm
Package 1 Length	26.500 cm
Package 1 Weight	3.568 kg
Unit Type of Package 2	S06
Number of Units in Package 2	24
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	111.308 kg

Contractual warranty

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Well-being performance

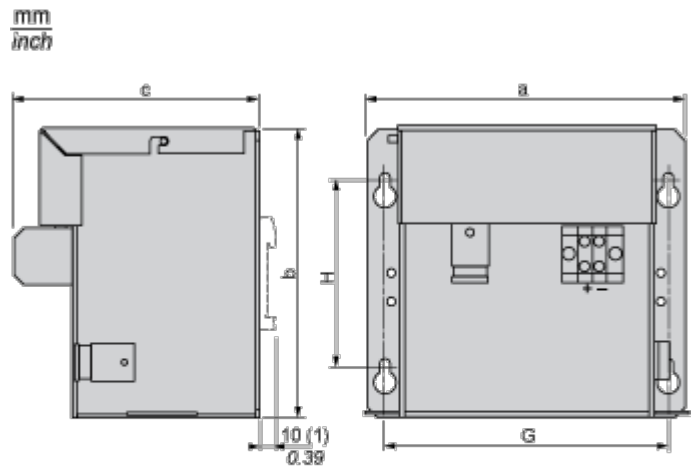
 Pvc Free

Reach Regulation	REACH Declaration
Eu Rohs Directive	Not applicable, out of EU RoHS legal scope
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Dimensions Drawings

24 Vdc Battery Module

Dimensions



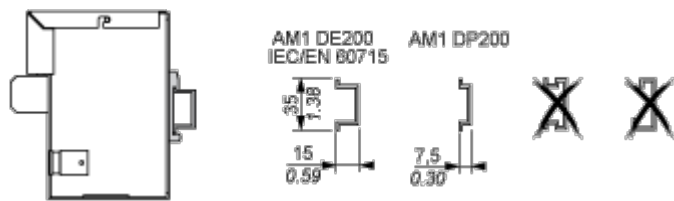
ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

Mounting and Clearance

24 Vdc Battery Module




Mounting



Connections and Schema

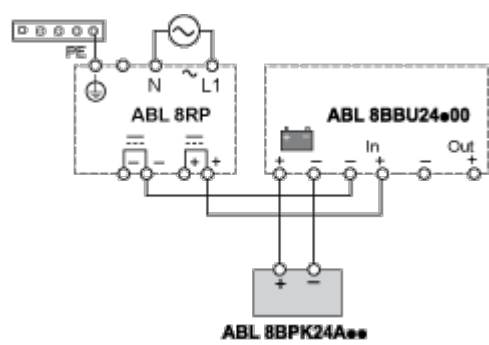
Wiring Requirements

Cable Types and Wire Sizes

 <div><div>$\varnothing \leq 4\text{ mm}^2$ $\varnothing \leq 12\text{ AWG}$</div><div>$\varnothing > 4\text{ mm}^2$ $\varnothing > 12\text{ AWG}$</div></div>	<div>ABL 8BPK24A** #1 - mm²/AWG</div>	<div>ABL 8BBU24200 6 / 10</div>	<div>ABL 8BBU24400 10 / 16</div>
 <div>$\varnothing 5,5\text{ mm}/0.22\text{ in}$</div>		<div>Nm 1,7 Nm max</div> <div>lb-in 15</div>	

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8BPK24A0•

Wiring Diagram

