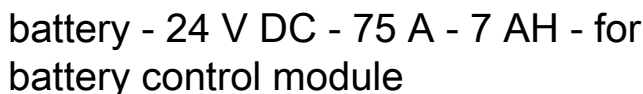


Specifications



391230495

ARI 8BPK24A12

EAN Code: 3389118312227

Range Of Product	Phaseo
Product Or Component Type	Battery module
Input Voltage	24 V DC
Output Voltage	24 V DC
Maximum Output Current	75 A
Battery Capacity	12 Ah
Holding Time	< 20 h at 0.6 A, 20 °C > 5 min at 31.3 A, 20 °C

Input Voltage Limits	21...29 V
Charging Time	72 h
Load Current	1.2 A
Output Protection Type	Against overload and short-circuits, protection technology: 2 x 30 A automotive type fuses
Connections - Terminals	For input connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm² AWG 20...AWG 8 For output connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm² AWG 20...AWG 8
Self-Discharge Rate	15 %, 6 months 9 %, 3 months 3 %, 1 month
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
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	12 kg

Product Certifications	CTP UL
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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

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	19.500 cm
Package 1 Width	20.000 cm
Package 1 Length	33.000 cm
Package 1 Weight	10.856 kg
Unit Type Of Package 2	S06
Number Of Units In Package 2	10
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	120.270 kg

Contractual warranty

Warranty	18 months
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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](#)

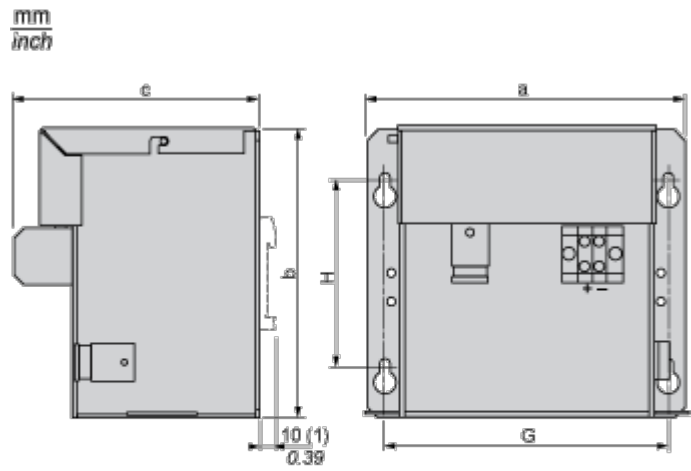
Circularity Profile

[End of Life Information](#)

Dimensions Drawings

24 Vdc Battery Module

Dimensions



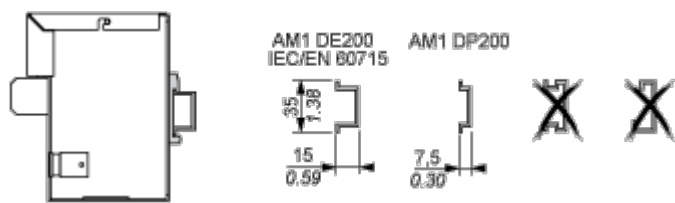
ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

Mounting and Clearance

24 Vdc Battery Module



Mounting



Connections and Schema

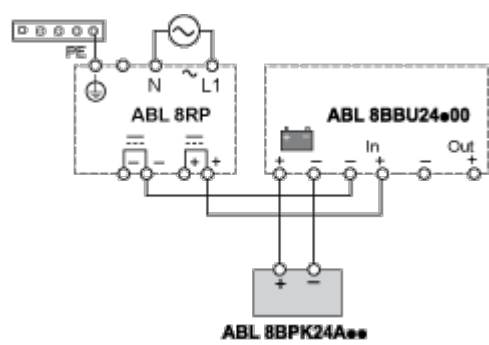
Wiring Requirements

Cable Types and Wire Sizes

 <div><div><div>18</div><div>Ø ≤ 4 mm²</div><div>Ø ≤ 12 AWG</div></div><div><div>18</div><div>Ø ≤ 4 mm²</div><div>Ø ≤ 12 AWG</div></div><div><div>17</div><div>Ø ≤ 4 mm²</div><div>Ø ≤ 12 AWG</div></div></div>	<div>ABL 8BBU24200</div> <div>6 / 10</div>	<div>ABL 8BBU24400</div> <div>10 / 15</div>
<div>ABL 8BPK24A**</div> <div>Ø 5,5 mm/0.22 in</div>	<div></div> <div>Nm</div> <div>lb-in</div>	<div>1,7 Nm max</div> <div>15</div>

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8BPK24A12

Wiring Diagram

