

Product datasheet

Specifications



battery - 24 V DC - 40 A - 7 AH - for battery control module

Local distributor code:
391230482 ABL8BPK24A07

- To be discontinued on: 31 Dec 2025
- To be end-of-service on: 31 Dec 2026

To be discontinued

EAN Code: 3389118312210

Main

| | |
|---------------------------|----------------|
| Range of product | Phaseo |
| product or component type | Battery module |
| Battery capacity | 7 Ah |

Complementary

| | |
|----------------------|---|
| Input voltage limits | 21...29 V |
| Charging time | 72 h |
| Load current | 0.7 A |
| Self-discharge rate | 9 %, 3 months 3 %, 1 month 15 %, 6 months |
| Output coupling | Parallel |
| Operating altitude | 2000 m |
| marking | CE |
| net weight | 6.5 kg |

Environment

| | |
|---------------------------------------|-------------|
| Product certifications | CTP UL |
| Ambient air temperature for operation | 0...40 °C |
| Ambient air temperature for storage | -20...50 °C |

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 | 26.500 cm |
| Package 1 Weight | 6.173 kg |
| Unit Type of Package 2 | S06 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 75.000 cm |

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

| | |
|------------------|-----------|
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 87.308 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

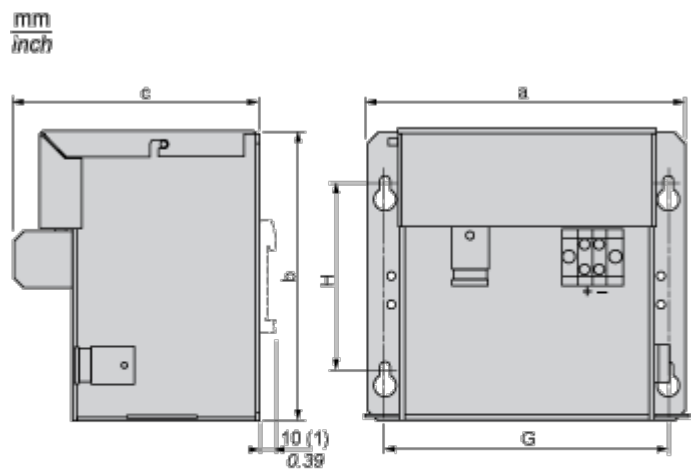
 Pvc Free

| | |
|--------------------------|---|
| 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



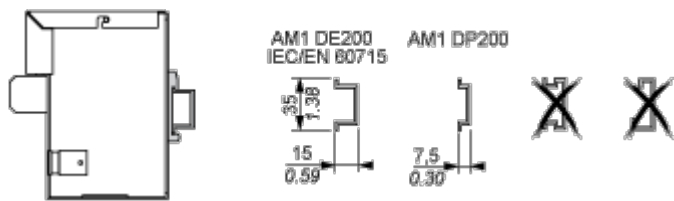
| ABL | a | b | c | G | H |
|-----------|----------|------------|-----|----------|----------|
| 8BPK24A03 | 184/7.24 | 138,5/5.45 | 131 | 156/6.14 | 83/3.27 |
| 8BPK24A07 | 170/6.69 | 155,5/6.12 | 131 | 152/5.98 | 100/3.94 |
| 8BPK24A12 | 238/9.29 | 155,5/6.12 | 131 | 218/3.94 | 100/3.94 |

(1) ABL8BPK24A03 (with kit ABL1A02)

Mounting and Clearance

24 Vdc Battery Module




Mounting



Connections and Schema

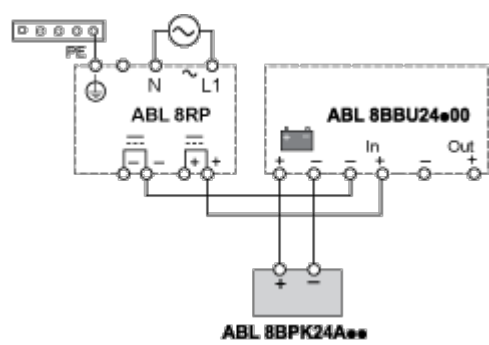
Wiring Requirements

Cable Types and Wire Sizes

| | | | |
|---|--|---|------------------------------|
|  <div><div><div><div>18</div><div>0.39</div></div><div><div>16</div><div>0.39</div></div></div><div><div>17</div><div>0.67</div></div></div> <div><div><div>Ø ≤ 4 mm²</div><div>Ø ≤ 12 AWG</div></div><div><div>Ø > 4 mm²</div><div>Ø > 12 AWG</div></div></div> | | ABL 8BBU24200 | ABL 8BBU24400 |
| ABL 8BPK24A** #1 - mm²/AWG | | 6 / 10 | 10 / 16 |
|  <div>Ø 5,5 mm/0.22 in</div> | |  <div>Nm lb-in</div> | <div>1,2 Nm max 15</div> |

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8BPK24A0•

Wiring Diagram

