

Product datasheet

Specifications



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

ABL8BPK24A07

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
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	87.308 kg

Offer Sustainability

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
PVC free	Yes

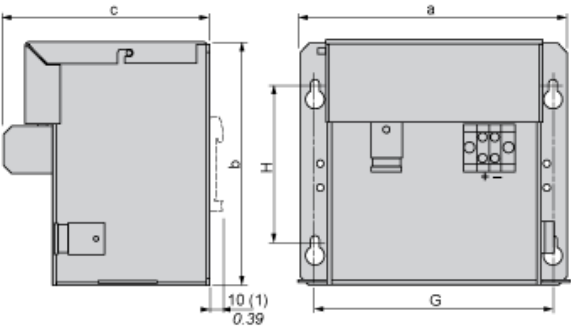
Contractual warranty

Warranty	18 months
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24 Vdc Battery Module

Dimensions

mm
inch

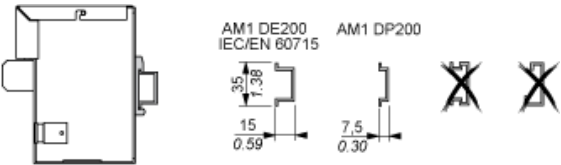


ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

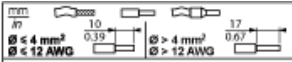



24 Vdc Battery Module

Mounting



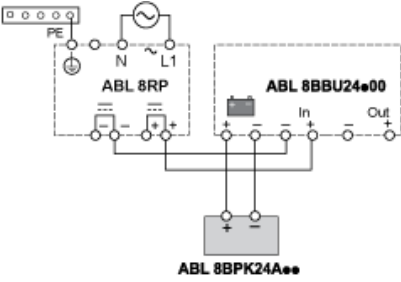
Wiring Requirements

Cable Types and Wire Sizes

 Ø ≤ 4 mm² Ø ≤ 12 AWG	 Ø > 4 mm² Ø > 12 AWG	ABL 8BBU24200	ABL 8BBU24400
ABL 8BPK24A●● +/ - mm²/AWG		6 / 10	10 / 6
 Ø 5,5 mm/0,22 in		 Nim 15	1,7 Nm max

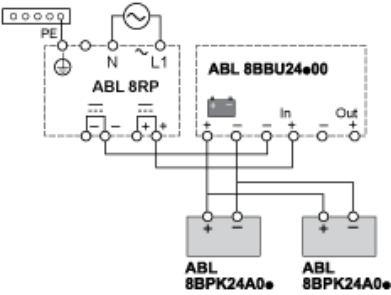
24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8PK24A0•

Wiring Diagram



Recommended replacement(s)