

Product data sheet

Characteristics

ABL8BPK24A03

battery- 24 V DC - 32 A - 3.2 AH - for battery control module

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

Price*: 269.00 USD



Main

Commercial Status	Commercialised
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	> 5 min at 8.4 A, 68 °F (20 °C) < 20 hat 0.16 A, 68 °F (20 °C)

Complementary

Input voltage limits	21...29 V
Load current	0.3 A
Charging time	<= 72 s
Output protection type	Against overload and short-circuits, protection technology: 1 x 20 A automotive type fuse
Connections - terminals	Screw type terminals output connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Screw type terminals input connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8
Self-discharge rate	15 %, 6 months 3 %, 1 month 9 %, 3 months
Fixing mode	By clips (with mounting kit) on 35 mm symmetrical DIN rail, operating position: vertical By clips (with mounting kit) on 35 mm symmetrical DIN rail, operating position: horizontal By 4 screws, screw(s) Ø = 0.2 in (5 mm) on vertical panel, operating position: vertical By 2 screws, screw(s) Ø = 0.2 in (5 mm) on horizontal panel, operating position: horizontal
Output coupling	Parallel
Service life in hours	7300 hat 113 °F (45 °C) 5000 hat 122 °F (50 °C) 44000 hat 68 °F (20 °C) 31000 hat 77 °F (25 °C) 22000 hat 86 °F (30 °C) 15000 hat 95 °F (35 °C) 11000 hat 104 °F (40 °C)
Product weight	7.72 lb(US) (3.5 kg)

Environment

IP degree of protection	IP10 conforming to EN/IEC 60529
Ambient air temperature for operation	32...104 °F (0...40 °C)
Ambient air temperature for storage	-4...122 °F (-20...50 °C)
Class of protection against electric shock	Class III conforming to VDE 0106-1
Vibration resistance	3.5 mm (f = 3...11.9 Hz) conforming to EN/IEC 61131-2 2 gn (f = 11.9...150 Hz) conforming to EN/IEC 61131-2

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIES
Discount Schedule	CP12
GTIN	00785901875628
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

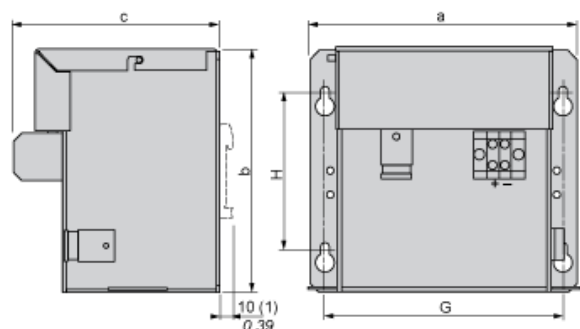
Contractual warranty

Warranty period	18 months
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24 Vdc Battery Module

Dimensions

mm
inch

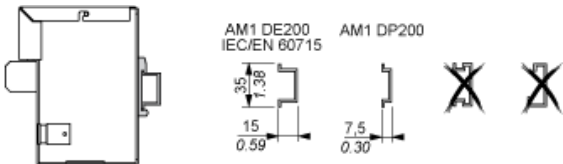


ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	236/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

24 Vdc Battery Module

Mounting



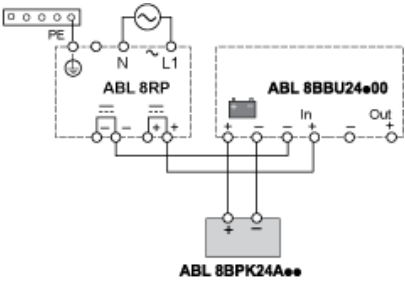
Wiring Requirements

Cable Types and Wire Sizes

 10 17 0.39 0.67 mm AWG	ABL 8BPK24A00 +/- mm²(AWG)	ABL 8BBU24200 6 / 10	ABL 8BBU24400 10 / 6
 Ø 5,5 mm/0.22 in	 Nm 1,7 Nm max lb-in 15		

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8PK24A0•

Wiring Diagram

