



## 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
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 for input connection, connection capacity: 2 x 0.5...2 x 10 mm <sup>2</sup> AWG 20...AWG 8 Screw type terminals for output connection, connection capacity: 2 x 0.5...2 x 10 mm <sup>2</sup> AWG 20...AWG 8
Self-discharge rate	15 %, 6 months 9 %, 3 months 3 %, 1 month
Fixing mode	By 2 screws, screw(s) Ø = 5 mm on horizontal panel, operating position: horizontal By 4 screws, screw(s) Ø = 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
Product weight	3.5 kg

## Environment

IP degree of protection	Conforming to EN/IEC 60529
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...50 °C
Overvoltage category	Class 3 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
Product certifications	GOST UL

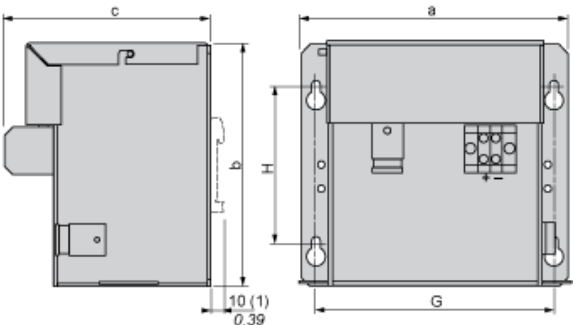
## Contractual warranty

Warranty period	18 months
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24 Vdc Battery Module

Dimensions

mm  
inch

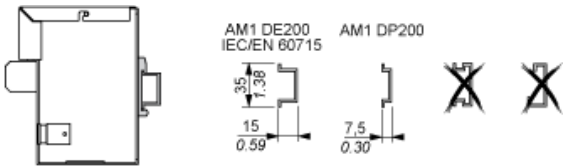


ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	236/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)




24 Vdc Battery Module

Mounting



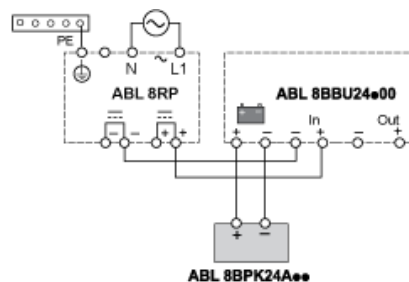
Wiring Requirements

Cable Types and Wire Sizes

	<b>ABL 8BPK24A03</b> +I – mm²/AWG	<b>ABL 8BBU24200</b>	<b>ABL 8BBU24400</b>
		6 / 10	10 / 6
		Nm 1,2 Nm max	
		lb-in 15	

## 24 Vdc Battery Module Wiring

## Wiring Diagram



## Paralleling 2 x ABL8PK24A0•

### Wiring Diagram

