

Type ABC1



- ◆ **Alarm for cell fault**
- ◆ **Alarm relay**
- ◆ **LED Indication for battery A and battery B**
- ◆ **Higher reliability of the batteries**
- ◆ **Adjustable alarm level**
- ◆ **Monitors 2 parallel 24V batteries**

TYPE LIST	
Type	ABC-1
Art. no.	12-50-A245
Category	Battery monitoring

GENERAL DATA	
Measuring range	15-30V
Input current without alarm	19mA
Input current with alarm	55mA
Alarm delay	1sek.
Alarm level	Adjustable 0,05 - 0,8V
Relay output	Voltage free change over contact Max power 30W or 50VA Max voltage 125V DC/AC Max current 1A DC/AC

ENVIRONMENT	
Ambient temperature	Operation: -10°C to +40°C Storage: -30°C to +50°C
Climatic conditions	IEC 721-3-3 class 3K3/3Z1/3B1/3C2/3S2/3M2
Humidity class	F
Altitude	≤ 2000 m a.s.l.,
Audible noise	< 30 dB (A) in 1 m distance

ABC1 Monitors two parallel 24V battery banks (Battery A, Battery B). ABC1 can also be used on single 24 batteries.

ABC1 monitors the symmetry within the serial connected battery banks by measure the midpoint of the battery and checks if the float voltage is symmetrical.

ABC1 will detect beginning short circuit or break in any of the battery circuits and indicate "Alarm battery A" or "Alarm battery B", alarm will also be given on the voltage free alarm relay. The alarm relay will automatically reset when the alarm disappears but the LED:s will remain illuminated until they are manually reseted by a button on the front.

The alarm level are adjustable and can be measured by connections on the front.



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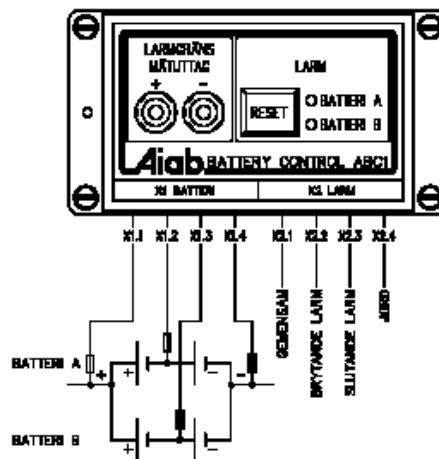
MECHANICAL CONSTRUCTION	
Construction	Metal box with screw terminals
Dimensions W/H/D (mm)	105/72/30
Weight	Approx 0,2 kg
Protection class	IP21 (mec.); 1 enl. EN 60950 (electr.)
Surface	Polished metal

COMPLIANCES	
Certification	CE-mark
Safety	EN 60950; VDE 0100 part 410; VDE 0110, EN 50178, EN 60146
EMC	EN 55022 class „B“, EN 61000-4 part 2-5



To increase the reliability and performance of the battery, cell voltage equalizer type ABC2 can be used (se separate brochure)

ANSLUTNINGAR



Additional Information

Full information, drawings, manuals and application notes and advice to any of the wide range of CP Kontakt AB's products are available on request.

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