



Product designation

Product type designation

Type

Automatic battery  
chargers

BCF

Single phase  
automatic battery  
charger 1  
charging level for  
lead-acid  
batteries

### Power supply

Rated voltage  $U_s$

min	VAC	100
Max	VAC	240 $\pm 10\%$

Operational frequency

min	Hz	50 $\pm 5\%$
max	Hz	60 $\pm 5\%$

Power consumption

Max	VA	150
Max	W	70

Power dissipation Max

W	9
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Internal fuse

A	2
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### Charging cycle

Reference standards

IEC62368-1

Battery type

lead-acid

Battery voltage

VDC 12

Charging voltage ( $U_c$ )

13.6 VDC

Charging current ( $I_c$ )

A 4.5

Charging current adjustment

%  $I_c$  Fixed

Protections

Main supply fuse;  
charging  
inhibition due to:  
1. Short circuit at  
battery terminals;  
2. Reverse  
battery polarity; 3.  
Low voltage at  
battery poles; 4.  
Output overload.

### Indications

LED reverse battery polarity

Yes

### Alarm output circuit

Output type

1 relay

Rated capacity

AC1: 3A 250VAC

### Mechanical features

Housing type

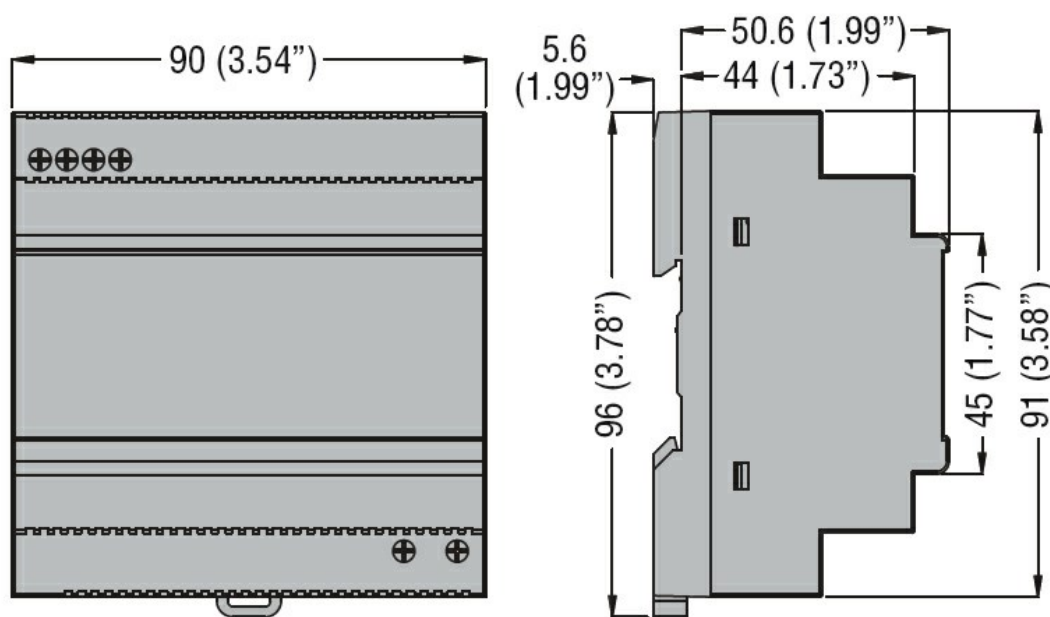
Modular DIN rail  
mounting

Terminals type

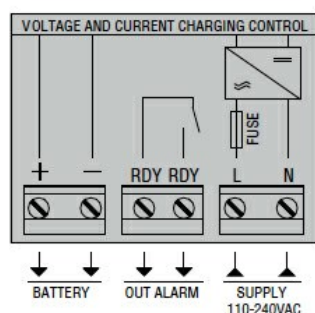
Fixed

Fixing				35mm DIN rail or Screw fixing
Weight	g			332
Ambient conditions				
Temperature	Operating temperature	min	°C	-40
		max	°C	+51
	Storage temperature	min	°C	-40
		max	°C	+85
Protection degree				IP20

## Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN/BS 60100-6-2  
IEC/EN/BS 61000-6-3  
IEC/EN/BS 62368-1

### Certificates

cURus  
EAC

## ETIM classification

ETIM 8.0

EC000359 -  
Universal charger