



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	80
Max	W	40

Power dissipation Max

W	6
---	---

Internal fuse

A	2
---	---

### 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 2.5

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 3A 250VAC AC1

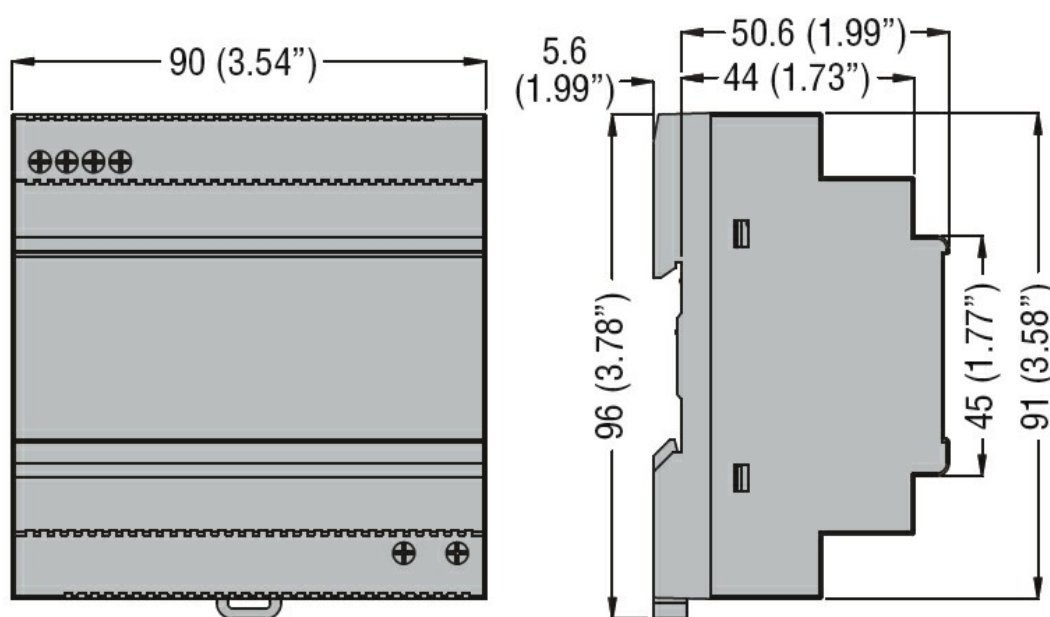
### Mechanical features

Housing type Modular DIN rail  
mounting

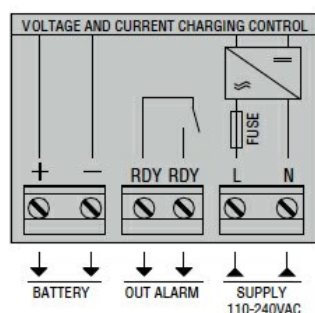
Terminals type Fixed

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