



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  | 39 |

Power dissipation Max

|   |   |
|---|---|
| W | 6 |
|---|---|

Internal fuse

|   |   |
|---|---|
| A | 2 |
|---|---|

### Charging cycle

Reference standards IEC62368-1

Battery type lead-acid

Battery voltage VDC 24

Charging voltage ( $U_c$ ) 27.2 VDC

Charging current ( $I_c$ ) A 1.25

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

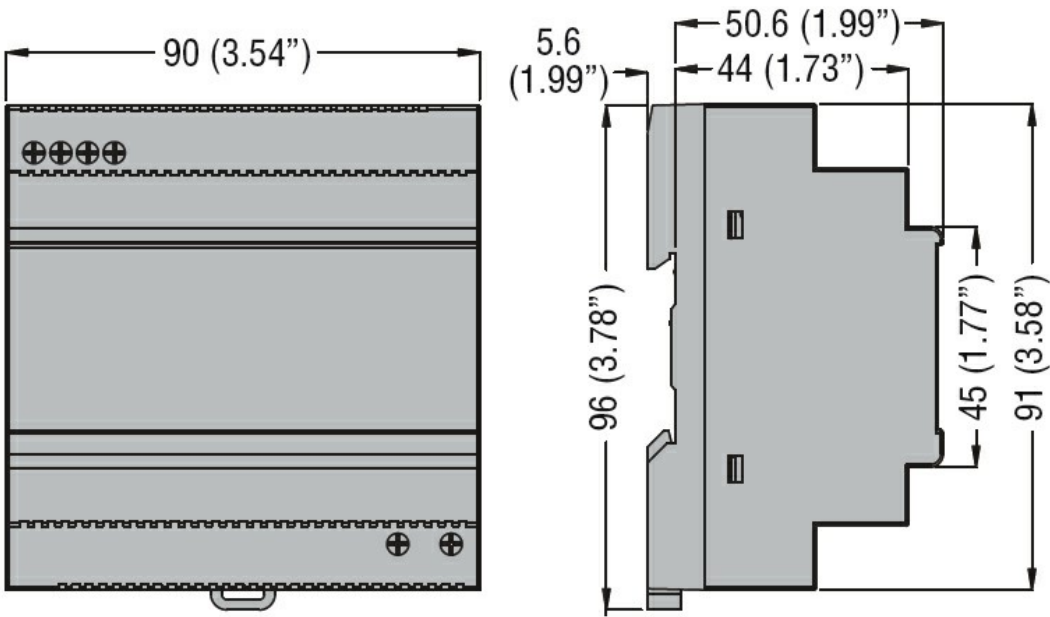
### Mechanical features

Housing type Modular DIN rail  
mounting

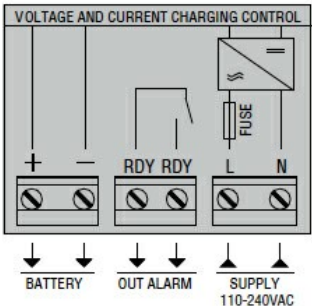
Terminals type Fixed

|                    |                       |     |    |                                  |
|--------------------|-----------------------|-----|----|----------------------------------|
| Fixing             |                       |     |    | 35mm DIN rail or<br>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 |
|----------|------------------------------|