



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
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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 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

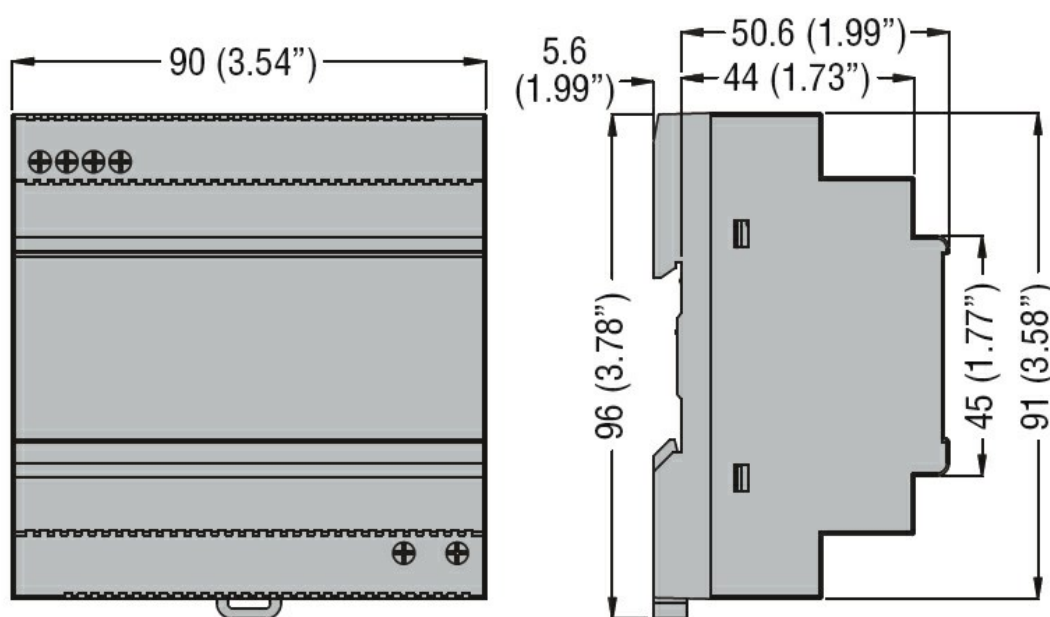
Mechanical features

Housing type Modular DIN rail
mounting

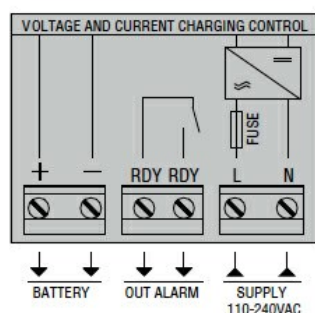
Terminals type Fixed

Fixing				35mm DIN rail or 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