



Product designation	Automatic battery chargers
Product type designation	BCF
Type	Single phase automatic battery charger 1 charging level for lead-acid batteries

Power supply

Rated voltage Us	min	VAC	100
	Max	VAC	240 ±10%

Operational frequency	min	Hz	50 ±5%
	max	Hz	60 ±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 (Uc)			27.2 VDC
Charging current (Ic)		A	1.25
Charging current adjustment		% Ic	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.
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Indications

LED reverse battery polarity	Yes
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Alarm output circuit

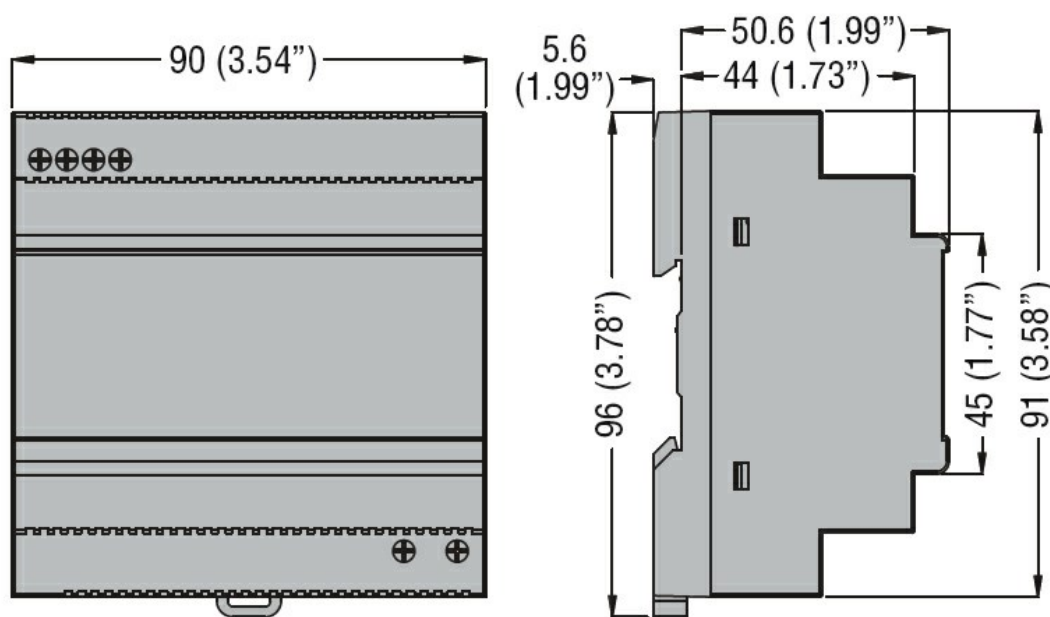
Output type	1 relay
Rated capacity	AC1: 3A 250VAC

Mechanical features

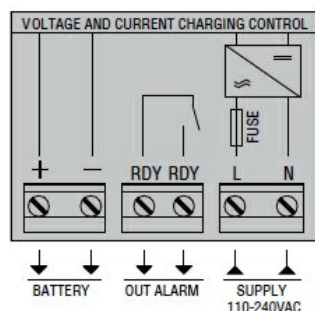
Housing type	Modular DIN rail mounting
Terminals type	Fixed

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