



Product designation

Product type designation

Type

Automatic battery
chargers
BCG
Single phase
automatic battery
charger 1
charging level for
sealed and non-
sealed lead-acid
batteries

Power supply

Rated voltage U_s

| | | |
|-----|-----|----------------|
| min | VAC | 110 |
| Max | VAC | 240 $\pm 10\%$ |

Operational frequency

| | | |
|-----|----|---------------|
| min | Hz | 50 $\pm 10\%$ |
| max | Hz | 60 $\pm 10\%$ |

Power consumption

| | | |
|-----|----|-----|
| Max | VA | 230 |
| Max | W | 97 |

Internal fuse

| | |
|---|---|
| A | 4 |
|---|---|

Charging cycle

Reference standards

IEC62368-1

Battery type

non-sealed and
sealed lead-acid
batteries

Battery voltage

| | |
|-----|----|
| VDC | 12 |
|-----|----|

Charging voltage (U_c)

in pos. V1:13.8;
V2:13.5

Boost

| | |
|---------|------|
| % U_c | +4.4 |
|---------|------|

Charging current (I_c)

| | |
|---|---|
| A | 6 |
|---|---|

Charging current adjustment

| | |
|---------|-----------|
| % I_c | 20 to 100 |
|---------|-----------|

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 indicator for operating status

Yes

LED reverse battery polarity

Yes

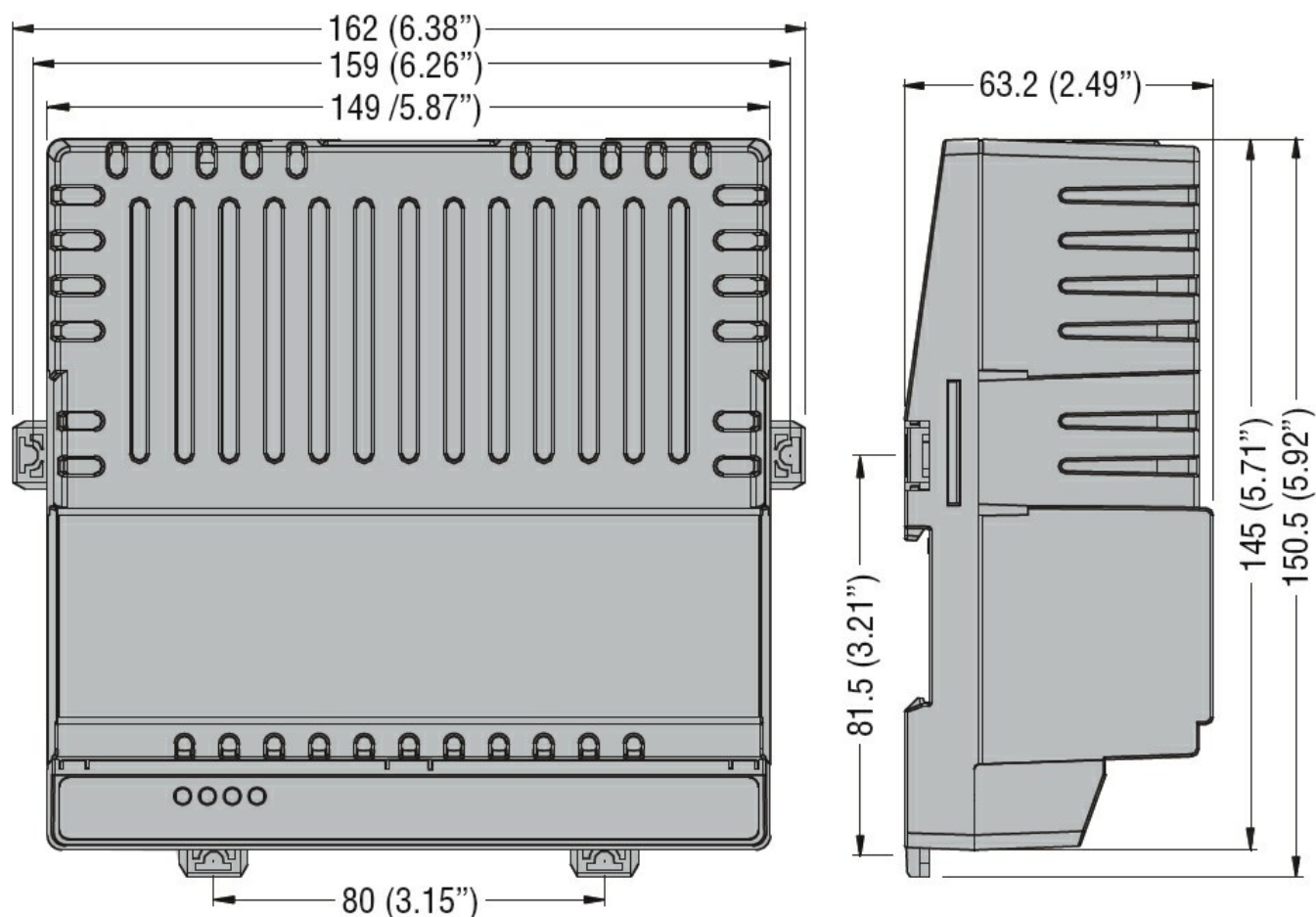
Alarm output circuit

Output type

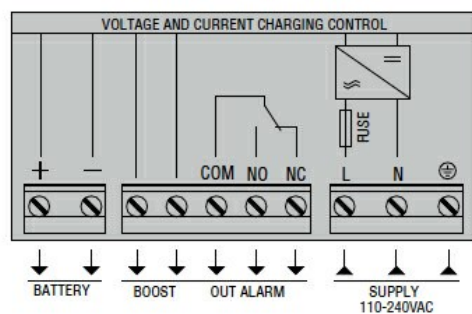
1 relay

| | | | | | | |
|---------------------|----|-----------------------|--|-------------------------------|-----|-----|
| Rated capacity | | | | 5A 30VDC | | |
| Mechanical features | | | | | | |
| Housing type | | | | Internal panel mounting | | |
| Terminals type | | | | Fixed | | |
| Fixing | | | | 35mm DIN rail or Screw fixing | | |
| Weight | | | | g | 532 | |
| Ambient conditions | | | | | | |
| Temperature | | | | | | |
| | | Operating temperature | | min | °C | -30 |
| | | | | max | °C | +55 |
| | | Storage temperature | | min | °C | -30 |
| max | °C | | | +80 | | |
| Protection degree | | | | IP20 | | |

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°60950-1

IEC/EN/BS 61000-6-2

IEC/EN/BS 61000-6-3

IEC/EN/BS 62368-1

UL 60950-1

Certificates

cURus

EAC

ETIM classification

ETIM 8.0

EC000359 -
Universal charger