



NiCd Battery pack 1.6 – 4.5 Ah for 55 °C

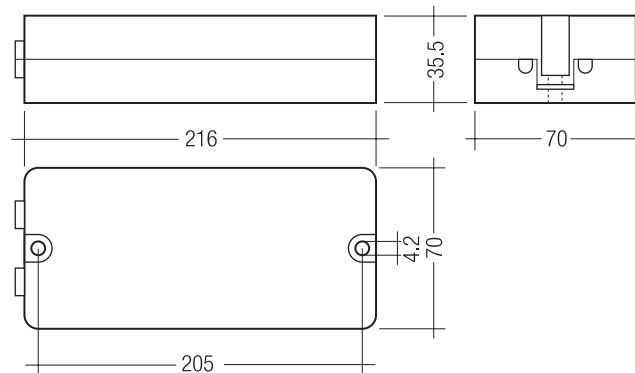
Nickel-cadmium cells (NiCd)

Product description

- High-temperature NiCd battery pack for use with emergency lighting units

Properties

- Constant high-temperature operation at 55 °C
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life in operation at max. temperature
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 m integrated double-insulated cable
- 1.0 mm² solid wire
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22



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Technical data

Battery voltage per cell	1.2 V
Dimensions L x W x H	216 x 70 x 35.5 mm
Battery case temperature (for a life of 4 years)	0 ... +55 °C
Temperature range of battery (NiCd) at tc point	0 ... +40 °C

Ordering data

Type	Article number	Number of cells	Capacity	Packaging, carton	Packaging, outer box	Weight per piece
Battery pack 1.6 Ah						
Pack-NiCd 3C	89899676	3	1.6 Ah	5 pieces	25 pieces	0.30 kg
Pack-NiCd 4C	89899677	4	1.6 Ah	5 pieces	25 pieces	0.34 kg
Pack-NiCd 5C	89899678	5	1.6 Ah	5 pieces	25 pieces	0.39 kg
Pack-NiCd 6C	89899679	6	1.6 Ah	5 pieces	25 pieces	0.43 kg
Battery pack 4 Ah						
Pack-NiCd 3D	89899672	3	4.2 Ah	5 pieces	25 pieces	0.53 kg
Pack-NiCd 4D	89899673	4	4.2 Ah	5 pieces	25 pieces	0.66 kg
Pack-NiCd 5D 55	89800091	5	4.5 Ah	5 pieces	25 pieces	0.78 kg
Pack-NiCd 6D	89899675	6	4.2 Ah	5 pieces	25 pieces	0.91 kg

Standards

The battery cells are designed to comply with the IEC international standard and tested according to the normative permanent charge endurance test described in the IEC 61951-2 standard. This performance is mandatory for use in Emergency Lighting Units to comply with the IEC 60598 2.22.

Technical data Accu

Capacity Cs

Rated minimum capacity

1.6 Ah / 4.2 Ah / 4.5 Ah

Typical weight per cell

45 g / 124 g / 124 g

Cell dimensions:

- Diameter 22.5 mm / 32.5 mm / 32.5 mm
- Height 42.5 mm / 60.5 mm / 60.5 mm

Consult individual emergency module data sheet for maximum allowable temperatures.

Mechanical details**Battery leads**

Pre-assembled length: 1 m double insulated lead

Wire type: 1 mm² solid wire, UL 1015, from -20 °C to 105 °C, 600 V

Module end termination

9.0 mm stripped insulation insulated with a shrink-on tube.

Technical data housing

Polycarbonat glow wire test according to EN60598-1 650 °C, 850 °C and 960 °C passed.

Storage

- Batteries should be stored within the specified temperature range in low humidity conditions. Optimal storage conditions are:
 - temperature: +5 ... +25 °C
 - humidity: 65 % ±5 %
- Avoid atmosphere with corrosive gas
- It is recommended to disconnect the battery before store or delivery
- Avoid to store the batteries discharged
- A long term storage in open circuit leads to battery self discharge and deactivation of chemical components. It could be required to charge and discharge the batteries a few times to recover the initial performance.

Safety

- Do not short-circuit the battery pack – when installing the luminaire make sure sharp edges do not come into contact with cables.
- Do not open or damage the battery pack or throw it into a fire.
- Protect the battery against moisture and keep away from water.
- Do not expose the battery to direct sunlight or excessive heat (see storage conditions).
- Transport and store the battery only in its original packaging.
- Comply with the transport conditions of the transport company.
- Follow the instructions on the safety data sheets.

**Damage/improper use**

If the battery is damaged or user incorrectly vapours and liquids may escape from it. If you come into contact with battery fluid wash immediate with water and seek medical assistance if necessary.

Disposal

- Do not dispose of batteries with normal waste.
- Comply with local regulations when disposing of batteries.