

## DURA ECO LA-BAT 24V 7AH

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)



The 5 battery modules with capacities from 1,2 Ah to 17Ah can supply up to 40 A for 30 minutes or 1 A for 30 hours and are fully compatible with the DC UPS control units CP DC UPS 24V 20A/10A & CP DC UPS 24V 40A. And for sure, the DURAEco series is a flexible & ease of use solution in a cost-effective design.

### General ordering data

|            |                            |
|------------|----------------------------|
| Version    | Battery                    |
| Order No.  | <a href="#">2789910000</a> |
| Type       | DURA ECO LA-BAT 24V 7AH    |
| GTIN (EAN) | 4064675068662              |
| Qty.       | 1 items                    |

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## Technical data

### Approvals

Approvals



UL File Number Search [UL Website](#)  
 Certificate no. (cULus) E258476

### Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 135 mm | Depth (inches)  | 5.3149 inch |
| Height     | 158 mm | Height (inches) | 6.2205 inch |
| Width      | 162 mm | Width (inches)  | 6.3779 inch |
| Net weight | 6120 g |                 |             |

### Temperatures

|                     |                |                       |  |
|---------------------|----------------|-----------------------|--|
| Storage temperature | -15 °C...50 °C | Operating temperature |  |
| Humidity            | 5...95 % RH    |                       |  |

### Environmental Product Compliance

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Not affected                         |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | 30bf869c-8adc-4ed2-ad02-c1fec963e943 |

### Operating interfaces and control inputs

|                   |            |
|-------------------|------------|
| Temperature probe | NTC 100 kΩ |
|-------------------|------------|

### Input

|                        |         |                  |      |
|------------------------|---------|------------------|------|
| Rated input voltage    | 24 V DC | Nominal capacity | 7 Ah |
| Charging current, max. | 1.08 A  |                  |      |

### Output

|                                       |             |        |
|---------------------------------------|-------------|--------|
| Parallel connection option            | Yes         |        |
| Output current, max.                  | 50 A        |        |
| Temperature probe                     | NTC 100 kΩ  |        |
| Buffer time depending on current      | Current     | 35 A   |
|                                       | Buffer time | 3 min  |
|                                       | Current     | 27 A   |
|                                       | Buffer time | 5 min  |
|                                       | Current     | 8.5 A  |
|                                       | Buffer time | 30 min |
| Overload and short circuit protection | 2x25 A fuse |        |

### General data

|                     |                 |                 |             |
|---------------------|-----------------|-----------------|-------------|
| Ambient temperature | -15 °C...+50 °C | Humidity        | 5...95 % RH |
| Protection degree   | IP20            | Life expectancy | 5.65 a      |

Creation date 11.03.2026 11:52:51 MEZ

Catalogue status / Drawings

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|   |           |                              |      |
|---|-----------|------------------------------|------|
| Vibration DIN rail/wall in accordance with IEC 68-2-6 | - / 0.7 g | Shock wall acc. to IEC 68227 | 30 g |
|---|-----------|------------------------------|------|

#### Insulation coordination

|                  |  |
|------------------|--|
| Protection class | III, with no ground connection, for SELV |
|------------------|--|

#### Connection data (input)

|   |                     |   |                    |
|---|---------------------|---|--------------------|
| Number of terminals                       | 2 (+,-)             | Conductor cross-section, AWG/kcmil , max.             | 6 AWG              |
| Conductor cross-section, AWG/kcmil , min. | 24 AWG              | Wire connection cross section, flexible (input), max. | 10 mm <sup>2</sup> |
| Conductor cross-section, flexible , min.  | 0.5 mm <sup>2</sup> | Conductor cross-section, rigid , max.                 | 16 mm <sup>2</sup> |
| Conductor cross-section, rigid , min.     | 0.5 mm <sup>2</sup> | Tightening torque, min.                               | 1.2 Nm             |
| Tightening torque, max.                   | 2.4 Nm              |   |                    |

#### Connection data (signal)

|  |                     |  |                            |
|--|---------------------|--|----------------------------|
| Wire connection cross-section, flexible (signal), max. | 1.5 mm <sup>2</sup> | Wire connection method                                 | Pluggable screw connection |
| Wire cross-section, AWG/kcmil , max.                   | 16                  | Wire cross-section, solid , min.                       | 0.2 mm <sup>2</sup>        |
| Wire cross-section, solid , max.                       | 1.5 mm <sup>2</sup> | Wire connection cross-section, flexible (signal), min. | 0.2 mm <sup>2</sup>        |
| Number of terminals                                    | 2                   | Wire cross-section, AWG/kcmil , min.                   | 24 mm <sup>2</sup>         |

#### Classifications

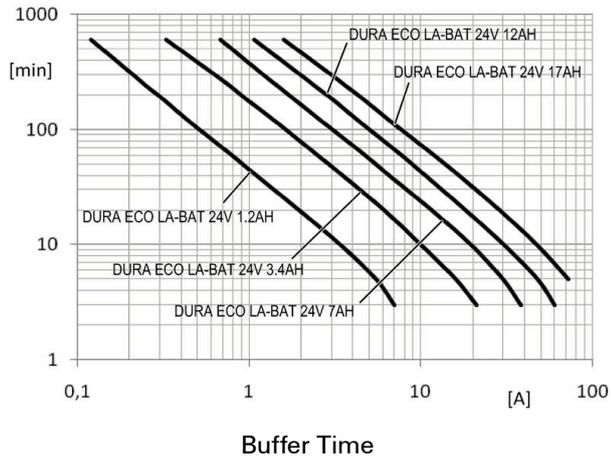
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002850    | ETIM 9.0    | EC002850    |
| ETIM 10.0   | EC002850    | ECLASS 14.0 | 27-04-06-92 |
| ECLASS 15.0 | 27-04-06-92 |             |             |

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## Accessories

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## BCZ 3.81/180



Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

## General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | BCZ 3.81/02/180 SN BK BX   | Version  |  |
| Order No.  | <a href="#">1792770000</a> | PCB plug-in connector, female plug, 3.81 mm, Number of poles: 2,             |  |
| GTIN (EAN) | 4032248226757              | 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm <sup>2</sup> , |  |
| Qty.       | 50 ST                      | Box  |  |