

**WBC-P-6OR-16****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

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Battery storage systems are playing an increasingly important role in the field of renewable energies. They usually consist of several individual batteries that need to be quick and easy to replace. The Weidmüller Battery Connector (WBC) makes it possible to connect several individual batteries to an ESS in just a few simple steps – and to disconnect the connections just as quickly if required. For more safety and easy handling, the poles are clearly marked: The positive pole in orange and the negative pole in black.

**General ordering data**

|            |                              |
|------------|------------------------------|
|            |                              |
| Order No.  | 2905280000                   |
| Type       | <a href="#">WBC-P-6OR-16</a> |
| GTIN (EAN) | 4099986025950                |
| Qty.       | 5 items                      |

## Technical data

### Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E529699                    |

### Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 23.2 g |
|------------|--------|

### Temperatures

|                                  |         |                                  |        |
|----------------------------------|---------|----------------------------------|--------|
| Continuous operating temp., min. | -40 °C  | Continuous operating temp., max. | 125 °C |
| Humidity                         | ≤85% RH |                                  |        |

### Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

### General Data

|                               |                    |                            |         |
|-------------------------------|--------------------|----------------------------|---------|
| Outer cable diameter, max.    | 8.6 mm             | Outer cable diameter, min. | 7.8 mm  |
| Contact diameter, male Ø      | 6 mm               | Approvals                  | UL 4128 |
| Type of connection            | Crimp connection   | Colour                     | orange  |
| Conductor cross-section, max. | 16 mm <sup>2</sup> | Surface finish             | silver  |
| Type                          | Female             | Basic material             | PA 66   |

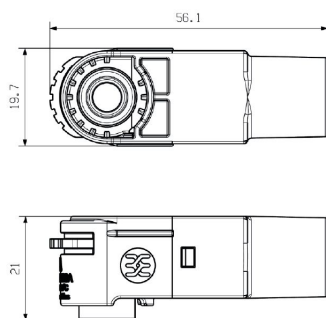
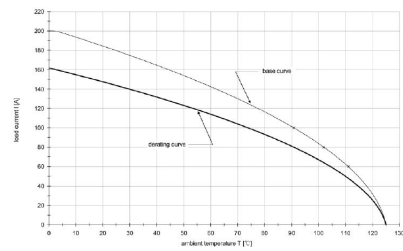
### Technical Data

|                      |           |                           |              |
|----------------------|-----------|---------------------------|--------------|
| Vibration resistance | 30g       | UL 94 flammability rating | V-0          |
| Volume resistance    | ≥ 5000 MΩ | Nominal voltage           | 1500 V       |
| Nominal current      | 100 A     | Protection degree         | IP67 plugged |
| Plugging cycles      | ≥ 100     | Surge voltage category    | II           |
| Operating altitude   | ≤ 2000 m  | Shock resistance          | V2           |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 7.0    | EC001121    | ETIM 8.0    | EC001121    |
| ETIM 9.0    | EC001121    | ETIM 10.0   | EC001121    |
| ECLASS 10.0 | 27-44-03-12 | ECLASS 11.0 | 27-44-03-12 |
| ECLASS 12.0 | 27-44-03-12 | ECLASS 13.0 | 27-44-03-12 |
| ECLASS 14.0 | 27-44-03-12 | ECLASS 15.0 | 27-44-03-12 |

## Drawings



## WBC-P-6OR-16

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## Accessories

## Tools



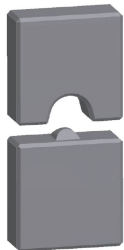
Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 300 mm<sup>2</sup>
- 270° revolving quick-action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                                                                          |
|------------|----------------------------|------------------------------------------------------------------------------------------|
| Type       | EPG 45                     | Version                                                                                  |
| Order No.  | <a href="#">1500830000</a> | Pressing tool, 6mm <sup>2</sup> , 150mm <sup>2</sup> , Hexagonal crimp, WM crimp, Indent |
| GTIN (EAN) | 4050118309317              | crimp, Trapezoidal crimp, Oval crimping                                                  |
| Qty.       | 1 ST                       |                                                                                          |

## ... for crimp cable lugs (acc. to DIN 46234)



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- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Type       | ES EPG 45 DIN 25           | Version                          |
| Order No.  | <a href="#">1501340000</a> | 25mm <sup>2</sup> , Indent crimp |
| GTIN (EAN) | 4050118309560              |                                  |
| Qty.       | 1 ST                       |                                  |