

WBC-P-8BK-50**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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. | 2905370000 |
| Type | WBC-P-8BK-50 |
| GTIN (EAN) | 4099986026032 |
| Qty. | 5 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|------|
| Net weight | 45 g |
|------------|------|

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -40 °C | Continuous operating temp., max. | 125 °C |
|----------------------------------|--------|----------------------------------|--------|

General Data

| | | | |
|-------------------------------|--------------------|----------------------------|------------------|
| Approvals | UL 4128 | Colour | black |
| Conductor cross-section, max. | 50 mm ² | Contact diameter, male Ø | 8 mm |
| Material | PA 66 | Outer cable diameter, max. | 13.2 mm |
| Outer cable diameter, min. | 12.5 mm | Surface finish | silver |
| Type | Female | Type of connection | Crimp connection |

Technical Data

| | | | |
|---------------------------|-------|-------------------|--------------|
| Plugging cycles | ≥ 100 | Protection degree | IP67 plugged |
| Rated current | 200 A | Rated voltage | 1,500 V |
| UL 94 flammability rating | V-0 | Volume resistance | ≥ 5000 MΩ |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC001121 | ETIM 8.0 | EC001121 |
| ETIM 9.0 | 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 | | |

Approvals

Approvals



| | |
|-----------------------|------------|
| UL File Number Search | UL Website |
| Certificate No. (UR) | E529699 |

Downloads

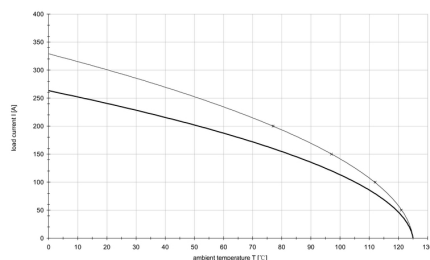
| | |
|--------------------|--|
| Engineering Data | CAD data – STEP |
| User Documentation | Suitable Tools for WBC Battery Connector |
| Catalogues | Catalogues in PDF-format |

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Drawings



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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 mm²
- 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. | 1500830000 | Pressing tool, 6mm ² , 150mm ² , Hexagonal crimp, WM crimp, Indent |
| GTIN (EAN) | 4050118309317 | crimp, Trapezoidal crimp, Oval crimping |
| Qty. | 1 pc(s). | |

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

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- 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 | ES EPG 45 DIN 35 | Version |
| Order No. | 1501350000 | 35mm ² , Indent crimp |
| GTIN (EAN) | 4050118309645 | |
| Qty. | 1 pc(s). | |