

WBC-P-8OR-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.	2905380000
Type	WBC-P-8OR-50
GTIN (EAN)	4099986026049
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Net weight	45 g
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Temperatures

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

General Data

Approvals	UL 4128	Colour	orange
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

Operating altitude	≤ 2000 m	Plugging cycles	≥ 100
Protection degree	IP67 plugged	Rated current	200 A
Rated voltage	1,500 V	Shock resistance	V2
Surge voltage category	II	UL 94 flammability rating	V-0
Vibration resistance	30g	Volume resistance	≥ 5000 MΩ

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E529699

Downloads

Engineering Data	CAD data – STEP
Technical Documentation	WBC_P_8_50
User Documentation	Suitable Tools for WBC Battery Connector Montageanleitung_WBC_P_8_200A
Catalogues	Catalogues in PDF-format

Creation date May 11, 2025 10:33:21 PM CEST

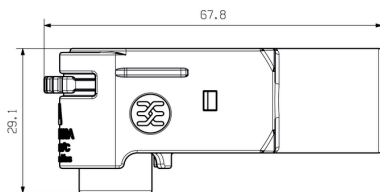
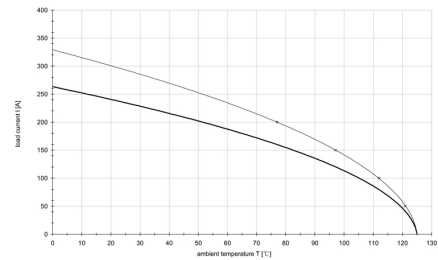
Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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Drawings



WBC-P-80R-50

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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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General ordering data

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