

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
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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	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

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

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Drawings

