

EPIC® BATTERY 250RB7PC03**Article No.:** 381167158`${ctx.productData.top5String}`

Details

Benefits

- Cable connector for rated currents up to 350 A and voltages up to 1,500 V.
- Reliable locking system provides security against disconnection under load as well as flexible maintenance options.
- Mechanical coding of the connector face and color coding of the housing prevent incorrect insertion when connecting the battery (color black for negative terminal and red/orange for positive terminal).
- Can be freely rotated 360°, making it ideal for flexible wiring with different cable outlets.
- Made of robust plastic (flammability class V-0 according to the UL94 testing procedure for the flammability of plastics).
- When connected, protection class IP 67 can be achieved.
- With TÜV Rheinland testing mark.
- UL certification according to technical data enables the product to be used on the North American market.
- Suitable for conductor cross-sections up to 120 mm².

Application

- For the front-side connection of battery modules within energy storage systems.
- For use with matching housing connector.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	EPIC®
Product type	Cable connector
Contacts included	Yes
Delivery Unit	1
Mounting method	crimp

Electrical parameters

Rated surge voltage	6.8 kV DC according to UL
Rated voltage	1500 V DC according to UL
Rated current	250 A according to UL

Product design

Locking mechanism	Latch
Type of housing	Cable connector
Connector housing design	Angled
With protective conductor	No
Connector type	Socket
Contact connection type	Crimp termination
Min. connectable conductor cross-section (mm ²) (in ²)	70 mm ²

Max. connectable conductor cross-section (mm ²) (in ²)	70 mm ²
Material	Polyamide
Colour housing	black

Product features

Min. number of insertion cycles	100
IP protection rating mounted	IP 67
Operating temperature max.	-40 °C
Operation temperature max.	125 °C
Halogenfree	Yes

Certifications and standards

CE marking	No
UR recognized	Yes
UR certification	according to UL 4128 (CCN: BBTH2 / e-file number: E545222)
cUR recognized	No
VDE certified	No
TÜV certified	Yes

EPIC® BATTERY F

Article No.	Name	Min. connectable conductor cross-section (mm ²) (in ²)	Max. connectable conductor cross-section (mm ²) (in ²)	Rated current	Colour housing	Delivery Unit
381167152	EPIC® BATTERY 120RB7PC02	25 mm ²	25 mm ²	120 A according to UL	black	1
381167154	EPIC® BATTERY 120HR7PC02	25 mm ²	25 mm ²	120 A according to UL	red	1
381167156	EPIC® BATTERY 120HO7PC02	25 mm ²	25 mm ²	120 A according to UL	orange	1
381167158	EPIC® BATTERY 250RB7PC03	70 mm ²	70 mm ²	250 A according to UL	black	1
381167160	EPIC® BATTERY 250HR7PC03	70 mm ²	70 mm ²	250 A according to UL	red	1
381167162	EPIC® BATTERY 250HO7PC03	70 mm ²	70 mm ²	250 A according to UL	orange	1
381167164	EPIC® BATTERY 350RB7PC02	120 mm ²	120 mm ²	350 A according to UL	black	1
381167166	EPIC® BATTERY 350HR7PC02	120 mm ²	120 mm ²	350 A according to UL	red	1
381167168	EPIC® BATTERY 350HO7PC02	120 mm ²	120 mm ²	350 A according to UL	orange	1

V1.1