

381167151	ASSEMBLY INSTRUCTION	
Valid from: 21.03.2025	EPIC® BATTERY 120RB7RB01	

1 Product Inspection

- Confirm that the product parts are complete.

Please read the instruction manual
before installing and using the product.

Product packaging contents

Figure 1

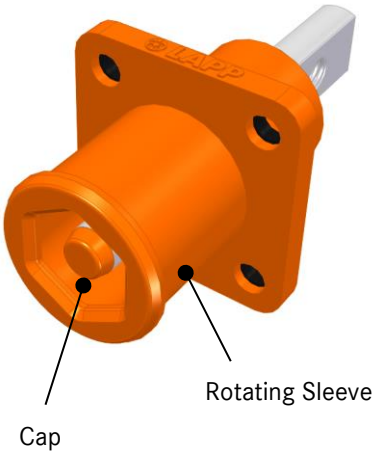
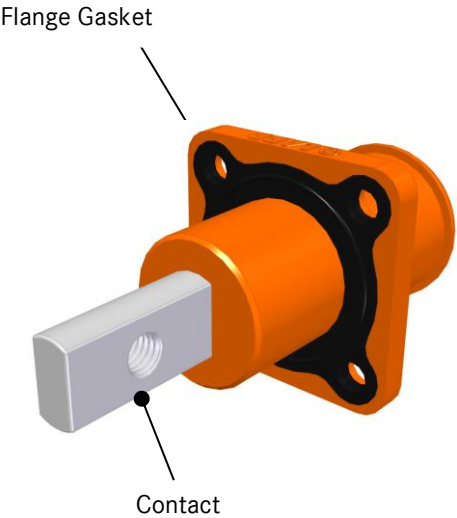


Figure 2



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2 Instructions

2.1.1 Threaded Hole

Pass the energy storage connector socket through the mounting plate and insert the M5*0.8 combination screw into the copper busbar, as shown in Figure 3. See Table 1 for recommended screws.

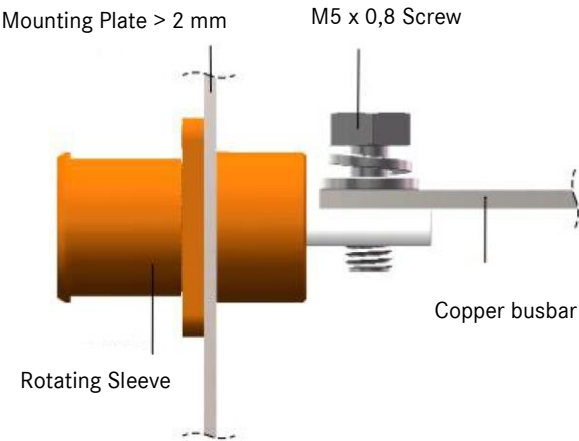


Figure 3. Threaded hole installation guide

Table 1 Recommended screws

No	Hardware Specifications	Comply with Standard	Recommended tightening torque
1	M5 x 0,8 Combination screw	GB/T 9074.13	3,5 – 4 Nm

2.1.2 U-shaped hole

Pass the energy storage connector socket through the mounting plate and insert the M5*0.8 combination screw into the copper busbar, as shown in Figure 4. Recommended screws are shown in Table 2.

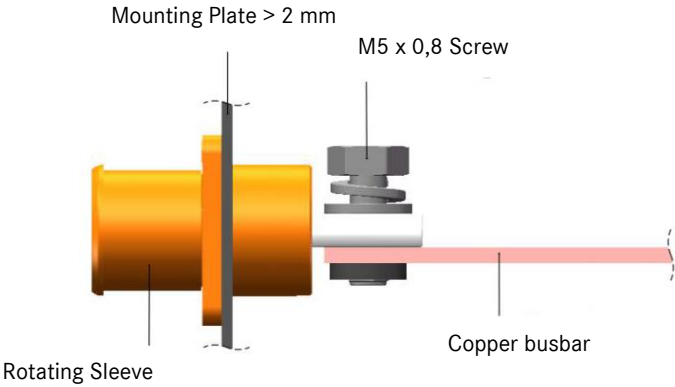


Figure 4. U-hole installation

Table 2 Recommended screws

No	Hardware Specifications	Comply with Standard	Recommended tightening torque
1	M5 x 0,8 Combination screw	GB/T 9074.13	3,5 – 4 Nm

2.1.3 Crimp hole

Pass the energy storage connector socket through the mounting plate, and install the customer cable into the crimping hole and crimp it securely, as shown in Figure 5.

The cross section of the wire ear after crimping should be hexagonal, and the cross-section compression ratio should be 70%-80%.

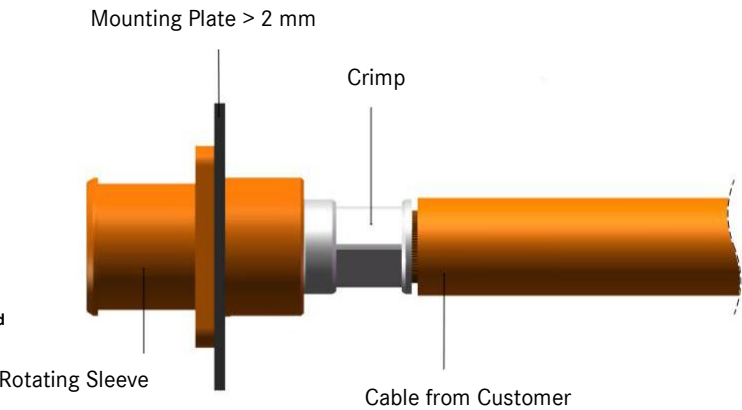


Figure 5. U- shaped hole installation guide

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2.1.4 Studs

Pass the energy storage connector socket through the mounting plate and insert the M5*0.8 combination screw into the copper busbar, as shown in Figure 6 See Table 3 for recommended screws.

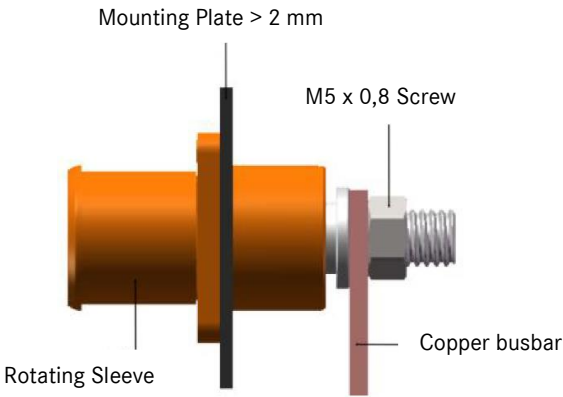


Figure 6. U- shaped hole installation guide

Table 3 Recommended screws

No	Hardware Specifications	Comply with Standard	Recommended tightening torque
1	M4 Combination screw	GB/T 9074.4	0,6 – 0,8 Nm

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2.2 Socket Installation

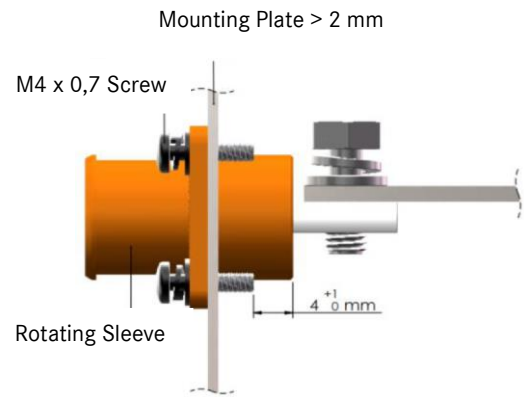


Figure 7. Socket fixed installation

Table 4 Recommended screws

No	Hardware Specifications	Comply with Standard	Recommended tightening torque
1	M4 Combination screw	GB/T 9074.4	0,6 – 0,8 Nm

4.Installation panel opening dimensions

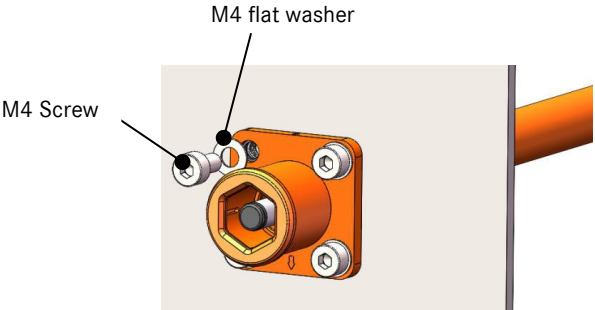


Figure 8 Socket fixed installation

Table 5 Recommended screws washers

No	Hardware Specifications	Comply with Standards
1	M4 hexagon socket screw	GB/T 70.1
2	M4 flat washer	GB/T 848

5 Precautions

5.1 This product complies with the UL4128 standard.

5.2 The product should not be used in excess of the operating temperature and environmental requirements specified for the product.

5.3 The protection performance index of the product is based on the premise that the product is correctly inserted in place, otherwise it may not be met.

5.4 This product cannot be plugged in or interchanged with products from other manufacturers. If product damage is caused by brute force interchangeability, it should not be attributed to quality issues of this product.

5.4 This product should only be used with cables with allowed operating temperature above 90°C.

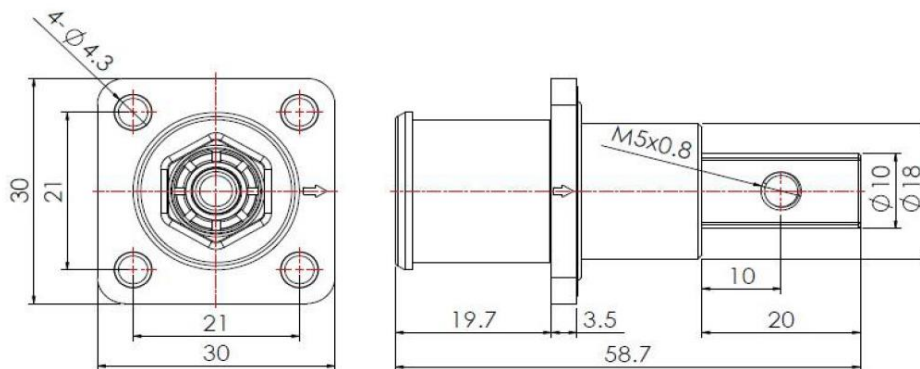
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Product Variation

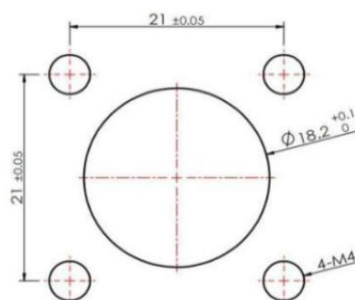
Article Number	Description of the article	Current [A]	Contact	Color coding
381167151	EPIC BATTERY 120RB7RB01	120	male	black
381167153	EPIC BATTERY 120HR7RB01	120	male	red
381167155	EPIC BATTERY 120HO7RB01	120	male	orange
381167157	EPIC BATTERY 250RB7RB01	250	male	black
381167159	EPIC BATTERY 250HR7RB01	250	male	red
381167161	EPIC BATTERY 250HO7RB01	250	male	orange
381167163	EPIC BATTERY 350RB7RB01	350	male	black
381167165	EPIC BATTERY 350HR7RB01	350	male	red
381167167	EPIC BATTERY 350HO7RB01	350	male	orange

Technical Drawings

120 A Energy storage connector, socket



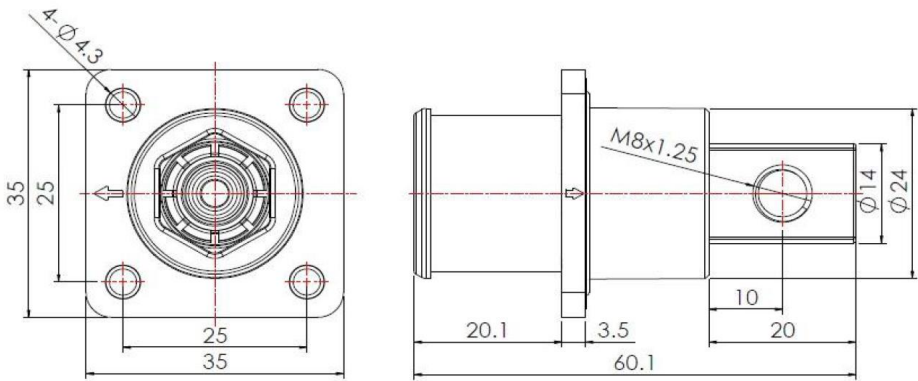
Recommended hole dimensions for mounting panel for 120 A



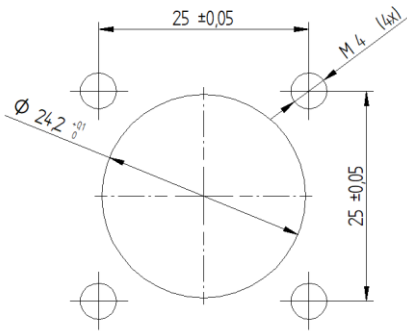
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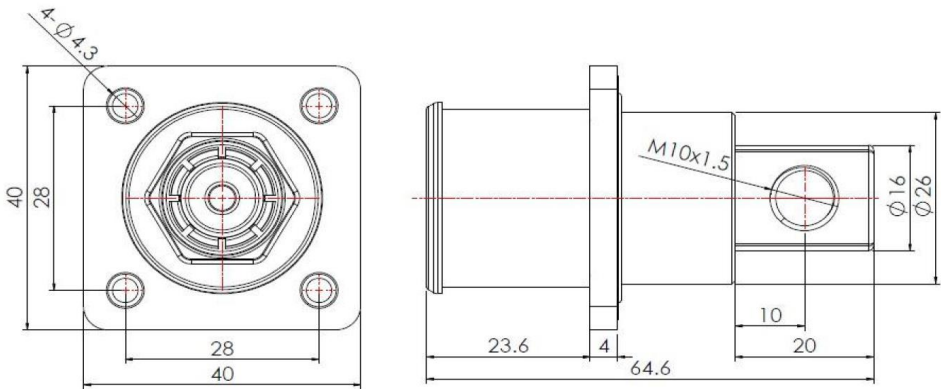
250 A Energy storage connector, socket



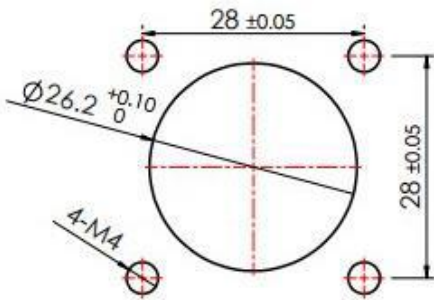
Recommended hole dimensions for mounting panel for 250 A



350 A Energy storage connector, socket



Recommended hole dimensions for mounting panel for 350 A



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Good chemical resistance



Corrosion-resistant



Maximum vibration protection



Short assembly time



Space requirement



Wind Energy

Remark

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

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