

CSCPEXCZ SBFW-L M6

CSCPEXCZ PEC Fuse SBFW-L M6 Series Instruction Manual

Models: 30A, 40A, 60A, 80A, 100A, 125A, 150A, 175A, 200A

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of the CSCPEXCZ PEC Fuse SBFW-L M6 Series. These fuses are designed to protect electrical circuits from overcurrent conditions, preventing damage to components and ensuring system integrity. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

- Always disconnect power to the circuit before installing or replacing fuses. Failure to do so can result in electric shock or injury.
- Ensure the replacement fuse has the correct amperage rating for the circuit. Using a fuse with an incorrect rating can lead to inadequate protection or unnecessary blowing.
- Do not attempt to repair or modify a blown fuse. Replace it with a new, identical fuse.
- Consult a qualified electrician if you are unsure about any aspect of fuse installation or circuit wiring.
- Keep fuses out of reach of children.

3. PRODUCT OVERVIEW

The CSCPEXCZ PEC Fuse SBFW-L M6 Series consists of high-quality bolt-down fuses designed for various DC applications, including measurement monitoring and relay systems. These fuses feature a robust construction with a clear amperage rating for easy identification. They are available in a range of current ratings from 30A to 200A to suit diverse circuit protection needs.

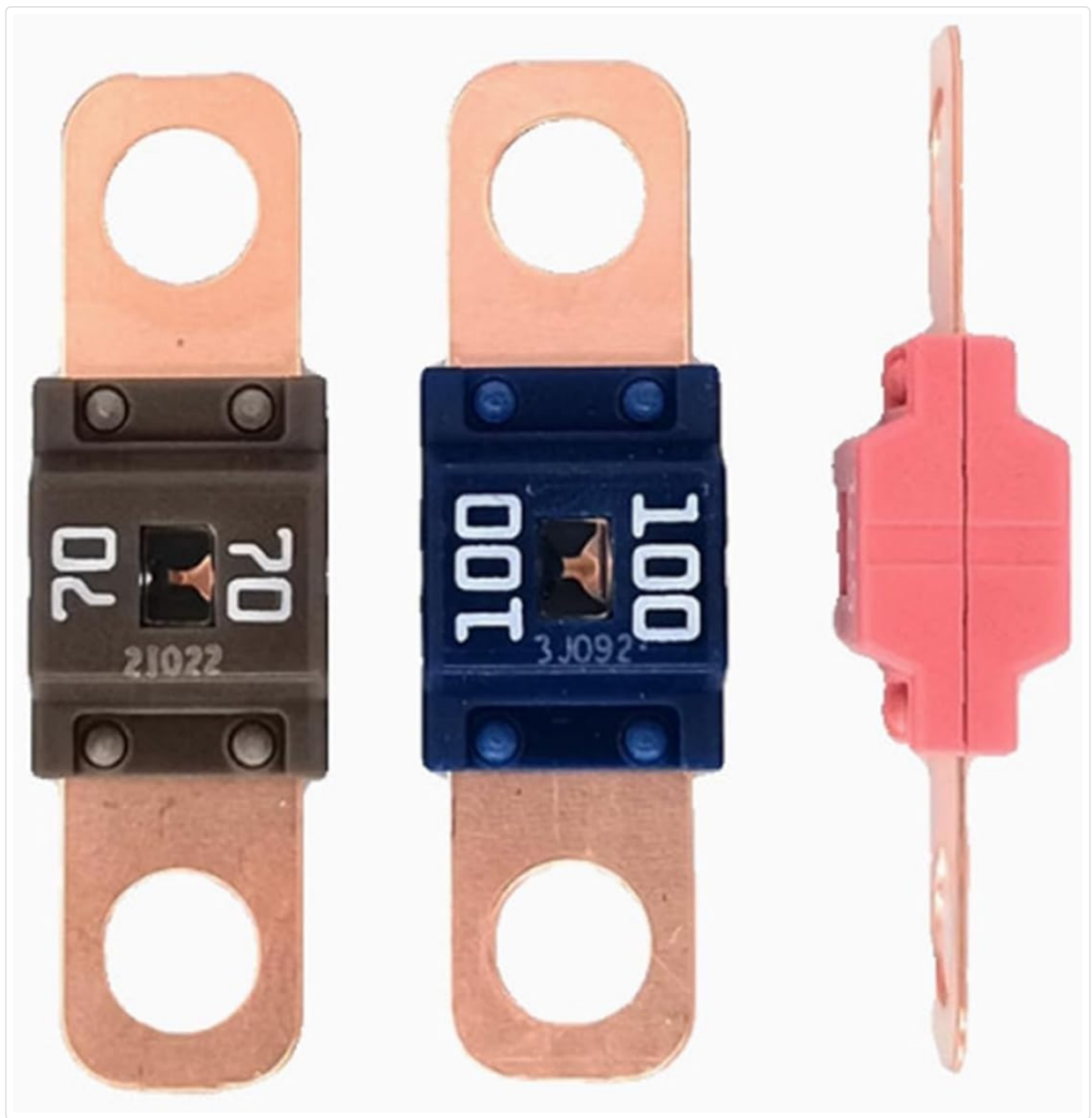


Image: Various PEC Fuses (70A, 100A) and a side profile, illustrating the product design.



Image: A selection of CSCPEXCZ PEC Fuses from the SBFW-L M6 Series, showcasing the range of available amperages.

4. SPECIFICATIONS

The following table details the technical specifications for the SBFW-L M6 Series fuses:

Feature	Specification
Model Number	SBFW-L M6 Series
Current Ratings	30A, 40A, 60A, 80A, 100A, 125A, 150A, 175A, 200A
Rated Voltage	DC58V
Breaking Capacity	1000A
Operating Temperature	-40°C to 120°C
Standard	ISO8820-5
Recommended Torque	(6.0 ± 1.0) N·m
Application	Measurement monitoring, relay systems
Type	Module

Feature	Specification
Weight (30A-100A)	Approx. 2g per fuse
Weight (125A-200A)	Approx. 3g per fuse

SBFW-L M6 - 30/40/50/60/70/80/100/125/150/175/200A

显著提高保险丝的安全性和可靠性的慢熔保险丝

额定电压	DC58V	生产地点	
安全开断能力	1000A	镀 层	镀锡
推荐使用温度	-40℃~120℃	收容数	2000 个
规 格	ISO8820-5	建议扭力	(6.0±1.0)N·m

* 具体使用温度请个别咨询 *

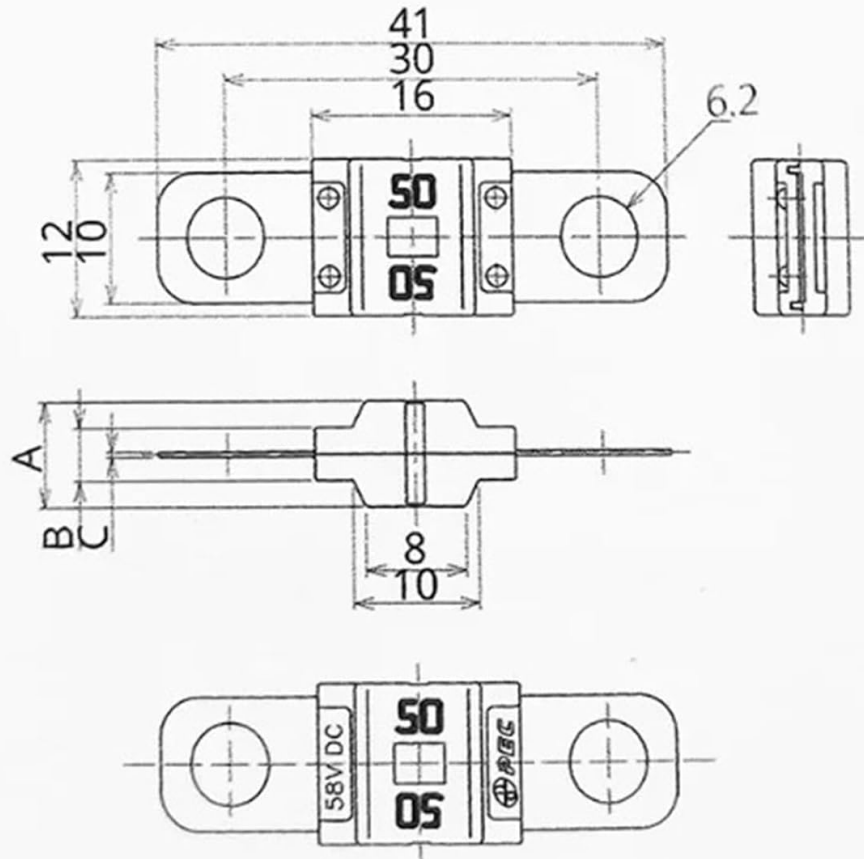


Image: Technical specifications table for the SBFW-L M6 series fuses.

Dimensions

Dimension	Value
Overall Length	41 mm
Mounting Hole Spacing	30 mm
Mounting Hole Diameter	6.2 mm
Width	12 mm
Height (30A-100A)	Approx. 8 mm
Height (125A-200A)	Approx. 10 mm

产品尺寸



产品重量：【30A-100A】 2g
【125A-200A】 3g

Image: Dimensional drawing of the SBFW-L M6 fuse.

5. SETUP AND INSTALLATION

- Select the Correct Amperage:** Identify the required amperage for your circuit. This fuse series offers ratings from 30A to 200A. Ensure the chosen fuse matches the circuit's design specifications.
- Disconnect Power:** Before beginning any installation, ensure that all power to the circuit is completely disconnected at the source.
- Prepare Mounting Location:** These are bolt-down fuses. Ensure you have appropriate mounting hardware (not included) and a secure location for installation.
- Install the Fuse:** Place the fuse into its holder or directly onto the connection points. Secure it using bolts through the M6 holes on the fuse terminals. Apply the recommended torque of (6.0 ± 1.0) N·m to ensure a secure electrical connection.
- Verify Connections:** Double-check all connections to ensure they are tight and free from any loose wires or debris.
- Restore Power:** Once installation is complete and verified, carefully restore power to the circuit.



SBFW-L M6 30A

Image: A 30A CSCPEXCZ PEC Fuse, illustrating a specific amperage variant.



SBFW-L M6 200A

Image: A 200A CSCPEXCZ PEC Fuse, illustrating a specific amperage variant.

6. OPERATING INSTRUCTIONS

The PEC Fuse SBFW-L M6 Series operates passively as a safety device. When the current flowing through the circuit exceeds the fuse's rated amperage for a sustained period, the internal element will melt, breaking the circuit and preventing damage to downstream components. No user interaction is required during normal operation.

7. MAINTENANCE

- **Regular Inspection:** Periodically inspect the fuses and their connections for any signs of corrosion, overheating (discoloration), or physical damage.
- **Replacement:** If a fuse blows, it indicates an overcurrent event. After identifying and rectifying the cause of the overcurrent, replace the blown fuse with a new fuse of the exact same amperage rating and type (SBFW-L M6 Series).
- **Cleaning:** Ensure the fuse terminals and surrounding area are kept clean and free of dust or debris to maintain optimal electrical contact.

8. TROUBLESHOOTING

Fuse Blows Repeatedly

- **Overload:** The circuit may be drawing more current than the fuse is rated for. Check the total load on the circuit.
- **Short Circuit:** A direct short circuit can cause a fuse to blow instantly. Inspect wiring and connected devices for shorts.
- **Faulty Component:** A component in the circuit may be malfunctioning and drawing excessive current.
- **Incorrect Fuse Rating:** Ensure the fuse installed has the correct amperage rating for the circuit. Never use a higher-rated fuse than specified.

If a fuse blows, always investigate the cause before replacing it. Simply replacing a blown fuse without addressing the underlying issue can lead to further damage or safety hazards.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your CSCPEXCZ PEC Fuse SBFW-L M6 Series, please refer to the retailer or contact CSCPEXCZ customer service directly. Keep your purchase receipt as proof of purchase.