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ICS 31.220.10
CCS L23

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 18501.8108-2026

Connectors for electrical and electronic equipment - Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A,1 000 V power plus 2P 5 A, 50 V signal rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

电子和电气设备用连接器 产品要求 第8-108部分：电源连接器 2芯250 A、1000 V功率加2芯5 A、50 V信号插合锁紧时IP65/IP68防护等级未插合时IPXXB防护等级矩形外壳屏蔽连接器详细规范

(English Translation)

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Foreword

GB/T 18501.8108-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

Classification: ICS 31.220.10; CCS L23.

1 Scope

Power connectors for demanding environments are defined here through a detail specification within the series on connectors for electrical and electronic equipment. This part, 8-108, describes a rectangular-housing shielded connector that combines two power contacts with two signal contacts. According to its title, it is rated for 250 A at 1 000 V on the power side and 5 A at 50 V on the signal side, and it addresses protection against ingress both when mated and locked and when unmated.

Connector manufacturers will use it to design and qualify matching products, while equipment makers, for instance in high-voltage battery, charging and power distribution systems, can use it to specify interchangeable parts. Test laboratories and procurement engineers may refer to it when verifying that supplied connectors fit the described product type. It is a recommended national standard that adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 March 2027.

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