

INTERNATIONAL STANDARD

Connectors for electrical and electronic equipment – Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity – General requirements and tests

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SHIELDED OR UNSHIELDED FREE AND FIXED CONNECTORS FOR
BALANCED SINGLE-PAIR DATA TRANSMISSION WITH CURRENT-
CARRYING CAPACITY – GENERAL REQUIREMENTS AND TESTS**

FOREWORD

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IEC 63171 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment. It is an International Standard.

This second edition cancels and replaces the first edition published in 2021. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) added requirements related to multipole and combined connectors (that are connectors including multiple data modules of this series, or connectors including one data module and additional signal or power contacts);
- b) alignment of transmission requirements with ISO/IEC 11801-1;
- c) updating and reorganising of test groups.

The text of this International Standard is based on the following documents:

Draft	Report on voting
48B/3150/FDIS	48B/3157/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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