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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 11918.4-2014

**Plugs, socket-outlets and couplers for industrial purposes --
Part 4: Switched socket-outlets and connectors with or without
interlock**

(English Translation)

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Foreword

GB/T 11918 Plugs, socket-outlets and couplers for industrial purposes is planned to be divided into 4 parts.

- Part 1. General requirements;

- Part 2. Dimensional compatibility and interchangeability requirements for pin and contact - tube accessories;
- Part 3. (name to be determined);
- Part 4. Switched socket-outlets and connectors with or without interlock.

This Part is Part 4 of GB/T 11918.

This Part is drafted in accordance with the rules specified in GB/T 1.1-2009.

This Part uses re-drafting method to modify and adopt IEC 60309-4:2012 Plugs, socket-outlets and couplers for industrial purposes - Part 4. Switched socket-outlets and connectors with or without interlock.

Technical differences between this Part and IEC 60309-4:2012, and the reasons, are as follows.

- For normative references, this Part makes adjustments of technical difference, so as to adapt to the technical requirements of China. Such adjustments are collectively reflected in Chapter 2 "Normative References"; the detailed adjustments are as follows.

- Replace IEC 60617-DB:2001 with GB/T 4728 (all parts) Graphical symbols for electrical diagrams [IEC 60617 DB (all parts)];

- Replace IEC 60417-DB:2002 with GB/T 5465 (all parts) Graphical symbols for electrical equipment [IEC 60417 DB (all parts)];

- Replace IEC 60947-1:2004 with GB 14048.1 Low-voltage switchgear and controlgear - Part 1. General rules (GB/T 14048.1-2012, IEC 60947-1:2011, MOD);

- Replace IEC 60947-5-1:2003 with GB 14048.5 Low-voltage switchgear and controlgear - Part 5-1. Control circuit devices and switching element - Electromechanical control circuit devices (GB 14048.5-2008, IEC 60947-5-1:2003, MOD);

- Add a supplement to GB 14048.3 Low-voltage switchgear and controlgear - Part

3 Switches, disconnectors, switch-disconnectors and fuse-combination units

(GB 14048.3-2008, IEC 60947-3:2005, IDT).

- Add Chinese mark of off/on position in 7.2;
- Delete IEC 60947-3 and the symbols from the column 7.2 "Switches".

This Part makes the editorial changes as follows.

- Add "this Part of GB/T 11918 specifies the technical requirements of plugs, socket-outlets and couplers for industrial purposes with or without interlock, such as protection against electric shock, interlocking, switches and elements, structures, mechanical strength and electric properties" in Chapter 1;
- Exchange the orders of Chapter 3 and Chapter 2 of IEC 60309-4:2012, that is, make the "Normative References" as Chapter 2 and the "Terms and Definitions" as Chapter 3;
- For the convenience of reference, notes are given to the definitions 3.103, 3.103.1, 3.103.1.1, 3.103.1.1.1, 3.103.1.2, 3.104, 3.105, 3.107; the serial numbers of the definitions in GB14048 are supplemented;
- The text of this Part adopts the definitions of actuators and position indicators. For the convenience of reference, this Part cites the definitions given in GB 14048, and adds 3.103.1.1.2 "Actuators" and 3.103.1.1.3 "Position indicators".
- Delete the titles of 12.7 and 12.8;
- Add the title of Table 11 "Test Current and Cross-sectional Area of Conductors of Temperature Rise Test";
- As GB/T 11918.1 adjusts the serial numbers of the Tables in IEC 60309-1, the numbers of the tables cited in this Part from GB/T 11918.1 are revised accordingly.

Table 11 in Chapter 22 and Table 8 in 24.102.

This Part was proposed by China Electrical Equipment Industrial Association.

This Part shall be under the jurisdiction of National Electrical Accessory Standardization Technical Committee (SAC/TC 67).

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Plugs, socket-outlets and couples for industrial purposes

- Part 4.Switched socket-outlets and connectors with or without interlock

1 Scope

Chapter 1 of GB/T 11918.1-2014 is applicable, after it is modified as follows.

Paragraphs 1 and 2 are replaced with the following contents.

2 Normative references

The articles contained in the following documents have become part of this document when they are quoted herein. For the dated documents so quoted, all the modifications (including all corrections) or revisions made thereafter shall be applicable to this document.

Chapter 2 of GB/T 11918.1-2014 Plugs, socket-outlets and couplers for industrial purposes - Part 1.General requirements (IEC 60309-1.2012, MOD) is applicable, after it is modified as follows.

Add.

GB/T 4025 Basic and safety principles for man-machine interface, marking and