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# NATIONAL STANDARD OF THE

# PEOPLE'S REPUBLIC OF CHINA

# GB/T 14048.5-2026

Replacing GB/T 14048.5-2017

## Low-voltage switchgear and controlgear-Part 5-1:Control circuit devices and switching elements-Electromechanical control circuit devices

低压开关设备和控制设备 第5-1部分：控制电路电器和开关元件 机电式控制电路电器

**(English Translation)**

**Issued on: October 30, 2026** **Implemented on: May 1, 2027**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of China**

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## 1 Foreword

GB/T 14048.5-2026 was issued by State Administration for Market Regulation; Standardization Administration of China on 30 October 2026 and takes effect on 1 May 2027.

It replaces the earlier edition GB/T 14048.5-2017, GB/T 14048.5-2008.

It is one of 50 parts of the GB/T 14048 series.

## 2 Scope Preview

GB/T 14048.5-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 76,457 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

## 3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

## 4 Related standards

Other parts of this standard:

GB/T 14048.1-1993 - General rules for low-voltage switchgear and controlgear

GB/T 14048.1-2000 - Low-voltage switchgear and control equipment General Provisions

GB/T 14048.1-2012 - Low-voltage switchgear and controlgear - Part 1: General rules

GB/T 14048.1-2023 - Low-voltage switchgear and controlgear-Part 1: General rules



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GB/T 14048.2-2008 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

GB/T 14048.2-2020 - 2: Circuit-breakers

GB/T 14048.3-2002 - Low-voltage switchgear and controlgear--Part 3:Switches, disconnectors, switch-disconnectors and fuse-combination units

GB/T 14048.3-2008 - Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

GB/T 14048.3-2017 - Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

GB/T 14048.3-2025 - Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

GB/T 14048.4-2010 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters (including motor protectors)

GB/T 14048.4-2020 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters(Including motor protector)

GB/T 14048.6-2016 - Low-voltage switchgear and controlgear -- Part 4-2: Contactors and motor-starters -- AC semiconductor motor controllers and starters (including soft-starters)

GB/T 14048.6-2025 - 4-2:Contactors and motor-starters-Semiconductor motor controllers,starters and soft-starters

GB/T 14048.7-2006 - Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors

GB/T 14048.7-2016 - Low-voltage switchgear and controlgear -- Part 7-1: Ancillary equipment -- Terminal blocks for copper conductors

GB/T 14048.8-2006 - Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors

GB/T 14048.8-2016 - Low-voltage switchgear and controlgear -- Part 7-2: Ancillary equipment -- Protective conductor terminal blocks for copper conductors

GB/T 14048.9-2008 - Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)

GB/T 14048.9-2024 - Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)

GB/T 14048.10-1999 - Low-voltage switchgear and controlgear-Control circuit devices and switching element-Section 2: Proximity switches



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GB/T 14048.10-2008 - Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching element - Proximity switches

GB/T 14048.10-2016 - Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches

GB/T 14048.10-2025 - Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches

GB/T 14048.11-2002 - Low-voltage switchgear and control equipment - Part 6: Multi-function electrical 1: Automatic Transfer Switching Equipment

GB/T 14048.11-2008 - Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment

GB/T 14048.11-2016 - Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment

GB/T 14048.11-2024 - Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment

GB/T 14048.12-2006 - Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads

GB/T 14048.12-2016 - Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads

GB/T 14048.12-2025 - Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - Semiconductor controllers and semiconductor contactors for non-motor loads

GB/T 14048.13-2006 - Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDF)

GB/T 14048.13-2017 - Low-voltage switchgear and controlgear -- Part 5-3: Control circuit devices and switching elements -- Requirements for proximity devices with defined behaviour under fault conditions (PDDB)

GB/T 14048.14-2006 - Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function

GB/T 14048.14-2019 - Low-voltage switchgear and controlgear -- Part 5-5: Control circuit devices and switching elements -- Electrical emergency stop device with mechanical latching function

GB/T 14048.15-2006 - Low-voltage switchgear and controlgear -- Part 5-6: Control circuit devices and switching elements -- DC interface for proximity sensors and switching



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amplifiers (NAMUR)

GB/T 14048.16-2006 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines

GB/T 14048.16-2016 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines

GB/T 14048.16-2025 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines

GB/T 14048.17-2008 - Low - Voltage switchgear and controlgear - Part 5 - 4 : Control circuit devices and switching elements - Methord of assessing the performance of low - energy contacts - Special tes

GB/T 14048.18-2008 - Low-voltage switchgear and controlgear - Part 7-3: Ancillary equipment - Safety requirements for fuse terminal blocks

GB/T 14048.18-2016 - Low-voltage switchgear and controlgear -- Part 7-3: Ancillary equipment -- Safety requirements for fuse terminal blocks

GB/T 14048.19-2013 - Low-voltage switchgear and controlgear -- Part 5-7: Control circuit devices and switching elements -- Requirements for proximity devices with analogue output

GB/T 14048.20-2013 - Low-voltage switchgear and controlgear -- Part 5-8: Control circuit devices and switching elements -- Three-position enabling switches

GB/T 14048.21-2013 - Low-voltage switchgear and controlgear - Part 5-9: Control circuit devices and switching elements - Flow rate switches

GB/T 14048.22-2017 - Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors

GB/T 14048.22-2022 - Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors

GB/T 14048.23-2022 - Low-voltage switchgear and controlgear - Part 9-1: Active arc-fault mitigation systems - Arc quenching devices

GB/T 14048.25-2025 - Low-voltage switchgear and controlgear - Part 9-2: Active arc-fault mitigation systems - Optical-based internal arc-detection and mitigation devices

Other editions:

GB/T 14048.5-2017 (earlier edition)

GB/T 14048.5-2008 (earlier edition)



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