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ICS 33.180.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4305.1-2023

Hybrid optoelectronic connectors for communication - Part 1: Type SC

通信用光电混合活动连接器 第1部分：SC型

(English Translation)

Issued on: April 21, 2023 **Implemented on: August 1, 2023**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4305.1-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 2023.

It is one of 4 parts of the YD/T 4305 series.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the classification of SC type optical and electrical hybrid movable connectors for communications, requirements for interface graphics and mating dimensions, end faces, optical properties, electrical properties, materials and environmental compliance, and describes the corresponding test methods and quality assessment procedures, Marking, packaging, transportation and storage. This standard applies to the design, development, production and inspection of SC-type optical-electrical hybrid movable connectors for communications in campus/indoor wireless, office, monitoring and other application scenarios. SC type optical and electrical hybrid movable connectors used in other scenarios can also be used as a reference.

YD/T 4305.1-2023 falls under ICS 33.180.20, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 4305.2-2024 - Optical-electrical hybrid connectors for communications - Part 2: Duplex LC type

YD/T 4305.3-2025 - Optical-electric hybrid connector for telecommunication - Part 3: Type single LC

YD/T 4305.4-2024 - Optical-electrical hybrid connectors for communications - Part 4: Type XC

Standards on related subjects:

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

5 Classification and status

International classification (ICS): 33.180.20

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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