

ICS 29.120
CCS K 30



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

GB/T 16935.3-2025

Replacing GB/T 16935.3-2016

**Insulation coordination for equipment within low-voltage
systems - Part 3: Use of coating, potting or moulding for
protection against pollution**

低压系统内设备的绝缘配合 第3部分：利用涂层、罐封和模压进行防污保护
(English Translation)

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Foreword

GB/T 16935.3-2025 is a recommended national standard (GB/T) of the People's Republic of China, issued on 5 October 2025 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 May 2026.

This edition replaces GB/T 16935.3-2016.

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

It is under the responsibility of the China Electrical Equipment Industry Association.

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1 Scope

This part of the insulation coordination series deals with the use of coatings, potting and moulding as a means of protecting insulation against pollution in equipment used within low-voltage systems. It is relevant to designers of electrical and electronic assemblies, printed board and enclosure engineers, and test laboratories that must show an insulation design holds up in contaminated environments. Instead of relying only on larger clearances and creepage distances, a designer may choose to seal or encapsulate the insulating surfaces, and this document addresses that route.

The standard was issued on 5 October 2025 and takes effect on 1 May 2026, replacing GB/T 16935.3-2016. It is a recommended national standard, so its application is voluntary unless a product specification, contract or regulation calls it up. Anyone maintaining technical files that cite the 2016 edition should check which edition their customers and certification bodies now expect.