

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 60079-11
Edition 7.0 2023-01

**Explosive atmospheres -
Part 11: Equipment protection by intrinsic safety “i”**

INTERPRETATION SHEET 4

This interpretation sheet has been prepared by subcommittee 31G: Intrinsically-safe apparatus, of IEC technical committee 31: Explosive atmospheres.

The text of this interpretation sheet is based on the following documents:

DISH	Report on voting
31G/425/DISH	31G/430/RVDISH

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

[IEC 60079-11:2023/ISH4:2025](https://standards.iteh.ai/catalog/standards/iec/17332abc-a944-466c-8adb-2c331c006ca7/iec-60079-11-2023-ish4-2025)

<https://standards.iteh.ai/catalog/standards/iec/17332abc-a944-466c-8adb-2c331c006ca7/iec-60079-11-2023-ish4-2025>

IEC 60079-11:2023 (Edition 7.0)

EXPLOSIVE ATMOSPHERES – Part 11: Equipment protection by intrinsic safety “i”

Background

The table of changes for IEC 60079-11:2023 (Edition 7) states:

Where two diodes are used in a safety shunt for Level of Protection “ia”, the failure of only a single diode has been extended to the failure of a single shunt path. This means that the tracking from the diode to reference voltages (for example, ground) no longer have to be infallible.