

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 60079-11
Edition 7.0 2023-01

EXPLOSIVE ATMOSPHERES –

Part 11: Equipment protection by intrinsic safety "i"

INTERPRETATION SHEET 2

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

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

DISH	Report on voting
31G/393/DISH	31G/398/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/ISH2:2024](https://standards.iteh.ai/catalog/standards/iec/1b713f9a-5dfc-4a58-b5e4-150f50bf4af0/iec-60079-11-2023-ish2-2024)

<https://standards.iteh.ai/catalog/standards/iec/1b713f9a-5dfc-4a58-b5e4-150f50bf4af0/iec-60079-11-2023-ish2-2024>

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Background

Table 22, "Rating and failure modes of PPTC devices used to limit current", includes ITRIP as a parameter requiring a safety factor of 1,0.

Question 1

Where Table 22 applies a safety factor of 1,0 for ITRIP, is external current limitation required to achieve the safety factor?