

## 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.

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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?