

ISO 7240-17:2009-08 (E)

Fire detection and fire alarm systems - Part 17: Short-circuit isolators

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | vi |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 2 |
| 4 | Requirements | 2 |
| 4.1 | Compliance | 2 |
| 4.2 | Integral status indication | 2 |
| 4.3 | Connection of ancillary devices | 2 |
| 4.4 | Monitoring of detachable short-circuit isolators | 3 |
| 4.5 | Manufacturer's adjustments | 3 |
| 4.6 | On-site adjustments | 3 |
| 4.7 | Marking | 3 |
| 4.8 | Data | 3 |
| 4.9 | Additional requirements for software controlled short-circuit isolators | 4 |
| 5 | Tests | 5 |
| 5.1 | General | 5 |
| 5.2 | Reproducibility | 7 |
| 5.3 | Variation in supply voltage | 8 |
| 5.4 | Dry heat (operational) | 8 |
| 5.5 | Cold (operational) | 9 |
| 5.6 | Damp heat, cyclic (operational) | 10 |
| 5.7 | Damp heat, steady state (endurance) | 10 |
| 5.8 | Sulfur dioxide (SO₂) corrosion (endurance) | 11 |
| 5.9 | Shock (operational) | 12 |
| 5.10 | Impact (operational) | 13 |
| 5.11 | Vibration, sinusoidal (operational) | 14 |
| 5.12 | Vibration, sinusoidal (endurance) | 15 |
| 5.13 | Electromagnetic compatibility (EMC), immunity tests (operational) | 16 |
| 6 | Test report | 17 |
| Annex A (informative) Examples for the functional test procedure | | 18 |
| Annex B (informative) Apparatus for impact test | | 25 |
| Bibliography | | 27 |