

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

45681-245AMP Conventional Standard Relay Base for use in Fire Detection and Alarm Systems

The product fulfils the essential characteristic:

See Annex 1

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

Ampac Pty Ltd
7 Ledger Road, Balcatta, 6021, Western Australia

and produced in the manufacturing plant:

Apollo Fire Detectors Limited
36 Brookside Road, Havant, Hampshire, PO9 1JR, UK

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-18:2005 : **Fire detection and fire alarm systems - Part 18: Input/output devices**

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2019-10-28**.

This certificate will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2019-10-28.



Merete Poulsen
Responsible for evaluation



Allan Laursen
Responsible for certification decision

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Annex 1

EXTENT

Type:

45681-245AMP Conventional Standard Relay Base for use in Fire Detection and Alarm Systems

Performance

| Essential characteristics | Clauses in EN 54-18:2005 | Performance |
|---|--------------------------|-------------|
| Response delay (response time) | 5.2 1) | Pass |
| Performance under fire conditions | 5.1.4 | Pass |
| Operational reliability | 5.1.4 | Pass |
| Durability of operational reliability; temperature resistance | 5.3, 5.4 | Pass |
| Durability of operational reliability; vibration resistance | 5.8 to 5.11 | Pass |
| Durability of operational reliability; humidity resistance | 5.5, 5.6 | Pass |
| Durability of operational reliability; corrosion resistance | 5.7 | Pass |
| Durability of operational reliability; electrical stability | 5.2, 5.12 | Pass |
| 1) Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard | | |

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Annex 2

TEST DOCUMENTATION

| Accredited Laboratory | Report no. | Date |
|-----------------------|------------|-------------------|
| BRE | TE 245928 | 15 September 2009 |

TECHNICAL BASIS

| File Number | Title |
|-------------|----------------|
| 45681-245 | Build Standard |

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DBI Certification A/S

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