

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

SA4700-100 Intelligent Switch Monitor*

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:

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

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 54-17:2005 : **Fire detection and fire alarm systems - Part 17: Short-circuit isolators**
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: **2019-10-22**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2019-10-22.



Merete Poulsen
Responsible for evaluation



Allan Laursen
Responsible for certification decision

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Annex 1

EXTENT

Type:

SA4700-100 Intelligent Switch Monitor*

Variants:

- SA4700-300 Intelligent DIN-Rail Switch Monitor**
- SA4700-102 Intelligent Input/Output Unit*
- SA4700-302 Intelligent DIN-Rail Input/Output Unit**
- MA4700-300MAR Intelligent Marine DIN-Rail Switch Monitor Module**
- MA4700-302MAR Intelligent Marine DIN-Rail Input/Output Module**
- SA4700-100PRC Intelligent Switch Monitor*

Ancillaries:

- *45681-400 Soteria Interface Backbox
- **38532-092 Interface Small DIN Tub

Note:

1. Approved for use on the SA4700-102 and SA4700-302 with Omron relay part number: G6KU2FYTR12DC and Fujitsu part number: FTR-B3GB012Z

Performance

Essential characteristics	Clauses in EN 54-17:2005	Performance
Performance under fire conditions	5.2 1)	Pass
Operational reliability	4	Pass
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass
Durability of operational reliability; corrosion resistance	5.8	Pass
Durability of operational reliability; electrical stability	5.3, 5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		

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
Intertek BRE	103382004LHD-021 TE P101838-1001 Issue: 1	24 April 2018 02 September 2016

TECHNICAL BASIS

File Number	Title
MA4700-300 SA4700-102 SA4700-300 SA4700-302 38532-092 45681-400	Build Standard Build Standard Build Standard Build Standard Build Standard Build Standard

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