Certificate No.: 8504-UKCA-CPR-UKCSP10205

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification-UK, approved body No. 8504.

In compliance with UK STATUTORY INSTRUMENT 2020 No. 1359 Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the construction product

BN-305, BN-307, BNB-331

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:

Autronica Fire and Security AS
Bromstadvegen 59
NO-7047 Trondheim
Norway

and produced in the manufacturing plant:

CPA10058

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

EN 54-17:2005+AC:2007	:	**Fire detection and fire alarm systems — Part 17: Short circuit isolators**
EN 54-18:2005+AC:2007	:	**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 factory production control conducted by the manufacturer is assessed to ensure the

CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2022-10-19 and will remain valid as long as neither the harmonised 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2023-05-26**.

(This certificate supersedes the previous version of this certificate issued 2022-10-19)

Merete Poulsen
Responsible for evaluation

Chris Ellis
Responsible for certification decision

DBI Certification-UK Ltd.
Unit 1 & 2, Northcot Park, Station Road, Blockley, Gloucestershire GL56 9LH
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No. 23333

Annex 1

EXTENT

Type:
Input/Output Devices with Short Circuit Isolator

Product	Brand	Type	Variants
Dual Monitored Input/Output	Autronica	BN-305	BN-305-2 BN-305-D
Monitored Fire Alarm Device Control Unit	Autronica	BN-307	-
Conventional Loop Interface	Autronica	BNB-331	-

Note:
The BN-305-D and BN-305-2 unit shall be mounted in an enclosure with a total weight exceeding 4,75 kg and complying the degree of protection of at least IP66.

Performance

Essential characteristics	Clauses in EN 54-17:2005+AC:2007	Performance	Notes
Performance under fire conditions	5.2	Pass	1)
Operational reliability	4	Pass	2), 3), 4), 5)
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
2) No integrated visual indicator for indication of the status of the short-circuit isolator. Clause 4.2 are therefore not applicable.
3) The short-circuit isolator has no provisions for connections of ancillary devices. Clause 4.3 are therefore not applicable.
4) The short-circuit isolator is not detachable. Clause 4.4 are therefore not applicable.
5) There is no provision for adjustments. Clause 4.6 are therefore not applicable.

Essential characteristics	Clauses in EN 54-18:2005+AC:2007	Performance
Response delay (response time)	5.2	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

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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
Nemko	187264-01	2016-04-08
Nemko	187266	2011-12-15
Nemko	187270	2011-12-15
Nemko	187265-01	2016-04-08
Nemko	187267	2011-12-15
Nemko	187271	2011-12-15
Nemko	E11175.00	2011-12-15
Nemko	E14196.00	2016-04-07
Nemko	E12028.00	2011-12-15
Nemko	E12030.00	2011-12-15

Annex 3

TECHNICAL BASIS

File Number	Title
BoM_BN-305	Bill of Materials Report
BoM_BN-307	Bill of Materials Report
BoM_BNB-331	Bill of Materials Report
BOM 116-BN-305-2	Bill of Materials Report
BOM 116-BN-305-D	Bill of Materials Report