

# DECLARATION OF PERFORMANCE



**AUTRONICA**  
FIRE AND SECURITY

According to Construction Products Regulation EU N° 305/2011

## Input/Output device

Product identification	Input/Output Device with short circuit isolator
Type	BN-305, BN-307, BNB-331
Intended use	Fire detection and fire alarm systems
Manufacturer	Autronica Fire and Security AS, PO Box 5620, 7483 Trondheim
System type	System 1
Notified body	NEMKO 0470
Certificate of Constancy of Performance (COP)	0470-CPD-0031
Table of performance	See table below

## Table of performance

Harmonised technical specification		EN 54-18:2005 + AC:2007	EN 54-17:2005 + AC:2007
Essential Characteristics	Performance	Clause	
Response delay (response time) - Performance and variation of supply parameters	pass	5.2	N.A
Performance under fire conditions - Functional test	pass	5.1.4	N.A
Operational reliability - Functional test	pass	5.1.4	N.A
Performance under fire conditions - Reproducibility	pass	N.A	5.2
Operational reliability - Requirements	pass	N.A	4
Durability of operational reliability, temperature resistance			
- Dry heat (operational)	pass	5.3	5.4
- Cold (operational)	pass	5.4	5.5
Durability of operational reliability, vibration resistance			
- Shock (operational)	pass	5.8	5.9
- Impact (operational)	pass	5.9	5.10
- Vibration, sinusoidal (operational)	pass	5.10	5.11
- Vibration, sinusoidal (endurance)	pass	5.11	5.12

Harmonised technical specification		EN 54-18:2005 + AC:2007	EN 54-17:2005 + AC:2007
Essential Characteristics	Performance	Clause	
Durability of operational reliability, humidity resistance - Damp heat, cyclic (operational) - Damp heat, steady state (endurance)	pass	5.5	5.6
	pass	5.6	5.7
Durability of operational reliability, corrosion resistance - Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	pass	5.7	5.8
Durability of operational reliability, electrical stability - Variation in supply parameters - Electromagnetic compatibility (EMC), immunity tests (operational)	pass	5.2	5.3
	pass	5.12	5.13

The performance of the product identified as «Product identification» and «Type» is in conformity with the declared "Table of performance". This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Autronica Fire and Security:  
Trondheim, Norway, 2013-05-23

