

FDS366

Declaration of performance No UKP210372

English – EN 2

Zug, 2022-03-07
Siemens Schweiz AG

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Head of Fire Safety

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This declaration of performance has been issued on the basis of the Construction Products Regulations 2013 and has no significance beyond this context. In particular, without limitation, this declaration does not contain any legal relevant declarations, such as in respect to quality, durability, usability, or warranty and liability commitments of any kind. These aspects are subject to agreement on a case-by-case basis at the time when the contract is concluded. The safety information in the applicable product documentation must be observed. You can obtain the latest version of the product documentation, as well as the declarations of performance and declarations of conformity, by contacting the Customer Support Center on +49 89 9221-8000 or by visiting <https://siemens.com/bt/download>.

Product type:

FDS366

Product description:

Visual alarm device/sounder incl. Short-circuit isolator

Product variants:

FDS366-RR FDS366-RW FDS366-WR FDS366-WW

Components:

FDB226-R FDB226-W FDB227-R FDB227-W

Intended use/es:

Fire safety, fire detection installations installed in buildings and outdoors.

Manufacturer:

Siemens Schweiz AG, Theilerstrasse 1a, CH-6300 Zug

System/s of AVCP:

System 1

Harmonised standard:

EN 54-3:2001 + A1:2002 + A2:2006 | EN 54-17:2005 + AC:2007 | EN 54-23:2010

Notified body/ies:

0832, BRE Global Limited

Declared performance/s:

EN 54-3:2001 + A1:2002 + A2:2006		
Essential characteristics	Section	Performance
Performance in the event of fire		
Sound level	4.2	Passed
Frequency and wave form	4.3	Passed
Manufacturing tolerance	5.2	Passed
Function test	5.3	Passed
Transmission sequences for alerts and alarms	C.3.1	NPD
Synchronisation	C.3.2	NPD

EN 54-3:2001 + A1:2002 + A2:2006		
Essential characteristics	Section	Performance
Performance of the transmitted alarm	C.5.1	NPD
Warning signal/break/message sequence timing	C.5.2	NPD
Message synchronisation test	C.5.3	NPD
Operational reliability		
Service life	4.4	Passed
Layout	4.5	Passed, Type B
Labelling and data	4.6	Passed
Service life test	5.4	Passed
General test	C.4	NPD
Stability of operational reliability, temperature resistance		
Dry heat (during operation)	5.5	Passed, Type B
Dry heat (endurance test)	5.6	Passed, Type B
Cold (during operation)	5.7	Passed, Type B
Humid heat, cyclical (during operation)	5.8	Passed, Type B
Humid heat, constant (endurance test)	5.9	Passed
Stability of operational reliability, moisture resistance		
Humid heat, cyclical (during operation)	5.8	Passed, Type B
Humid heat, constant (endurance test)	5.9	Passed
Humid heat, cyclical (during operation)	5.10	Passed, Type B
Stability of operational reliability, corrosion resistance		
Sulphur dioxide (SO ₂) corrosion	5.11	Passed
Stability of operational reliability, shock and vibration resistance		
Impact (during operation)	5.12	Passed
Blow (during operation)	5.13	Passed
Oscillations, sinusoidal (during operation)	5.14	Passed
Oscillations, sinusoidal (endurance test)	5.15	Passed
Stability of operational reliability, electrical stability		
Electromagnetic compatibility (EMC), interference immunity (during operation)	5.16	Passed
Stability of operational reliability, resistance to penetration		
Housing protection	5.17	Passed, Type B
EN 54-17:2005 + AC:2007		
Essential characteristics	Section	Performance
Performance in the event of fire		
Manufacturing tolerance	5.2	Passed
Operational reliability		
Requirements	4	Passed
Stability of operational reliability, temperature resistance		
Dry heat (during operation)	5.4	Passed
Cold (during operation)	5.5	Passed
Stability of operational reliability, vibration resistance		
Impact (during operation)	5.9	Passed
Blow (during operation)	5.10	Passed
Oscillation, sinusoidal (during operation)	5.11	Passed
Oscillation, sinusoidal (endurance test)	5.12	Passed
Stability of operational reliability, air humidity resistance		
Humid heat, cyclical (during operation)	5.6	Passed
Humid heat, constant (endurance test)	5.7	Passed
Stability of operational reliability, corrosion resistance		
Sulphur dioxide (SO ₂) corrosion (endurance test)	5.8	Passed
Stability of operational reliability, electrical stability		

EN 54-17:2005 + AC:2007		
Essential characteristics	Section	Performance
Fluctuations in supply voltage	5.3	Passed
Electromagnetic compatibility (EMC), interference immunity tests (during operation)	5.13	Passed
EN 54-23:2010		
Essential characteristics	Section	Performance
Operational reliability		
Functional life	4.2.1	Passed
Precautions for line conductors	4.2.2	Passed
Flammability of materials	4.2.3	Passed
Housing protection	4.2.4	Passed, Type B
Access	4.2.5	Passed
Manufacturer settings	4.2.6	Passed
Settings of response behaviour on site	4.2.7	Passed
Requirements for software-controlled devices	4.2.8	Passed
Performance in the event of fire		
Signalling range	4.3.1	Passed, Category W, O
Change in light emission	4.3.2	Passed
Lowest and highest effective luminous intensity	4.3.3	Passed
Light colour	4.3.4	Passed
Timed light pattern and flashing frequency	4.3.5	Passed
Labelling and data	4.3.6	Passed
Synchronisation (option with requirements)	4.3.7	Passed
Stability of temperature resistance		
Dry heat (during operation)	4.4.1.1	Passed, Type B
Dry heat (endurance test)	4.4.1.2	Passed, Type B
Cold (during operation)	4.4.1.3	Passed, Type B
Stability of moisture resistance		
Humid heat, cyclical (during operation)	4.4.2.1	Passed, Type B
Humid heat, constant (endurance test)	4.4.2.2	Passed
Humid heat, cyclical (endurance test)	4.4.2.3	Passed, Type B
Stability of impact and vibration resistance		
Impact (during operation)	4.4.3.1	Passed
Blow (during operation)	4.4.3.2	Passed
Oscillation (during operation)	4.4.3.3	Passed
Oscillation (endurance test)	4.4.3.4	Passed
Stability of corrosion resistance		
SO ₂ corrosion (endurance test)	4.4.4	Passed
Stability of electrical stability		
EMC, interference immunity (during operation)	4.4.5	Passed

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with the Construction Products Regulations 2013, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Zug, 2022-03-07
Siemens Schweiz AG

Dr. Peter Nebiker
Head of Fire Safety

Irina Penzo Feliu de Cabrera
Quality Manager Fire Safety

For signatures, see front page