

## FDS224

Declaration of performance No UKP210361 .....

English – EN 2

Zug, 2022-03-07  
Siemens Schweiz AG

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Dr. Peter Nebiker  
Head of Fire Safety

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Quality Manager Fire Safety

## Declaration of performance No UKP210361

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:

FDS224

### Product description:

Sounder incl. short-circuit isolator

### Product variants:

FDS224-R      FDS224-W

### Components:

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

### Intended use/es:

Fire safety

### 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

### Notified body/ies:

0832, BRE Global Limited

### Declared performance/s:

EN 54-3:2001 + A1:2002 + A2:2006		
Essential characteristics	Section	Performance
<b>Performance in the event of fire</b>		
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

<b>EN 54-3:2001 + A1:2002 + A2:2006</b>		
<b>Essential characteristics</b>	<b>Section</b>	<b>Performance</b>
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
<b>Operational reliability</b>		
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
<b>Stability of operational reliability, temperature resistance</b>		
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
<b>Stability of operational reliability, moisture resistance</b>		
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
<b>Stability of operational reliability, corrosion resistance</b>		
Sulphur dioxide (SO <sub>2</sub> ) corrosion	5.11	Passed
<b>Stability of operational reliability, shock and vibration resistance</b>		
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
<b>Stability of operational reliability, electrical stability</b>		
Electromagnetic compatibility (EMC), interference immunity (during operation)	5.16	Passed
<b>Stability of operational reliability, resistance to penetration</b>		
Housing protection	5.17	Passed, Type B
<b>EN 54-17:2005 + AC:2007</b>		
<b>Essential characteristics</b>	<b>Section</b>	<b>Performance</b>
<b>Performance in the event of fire</b>		
Manufacturing tolerance	5.2	Passed
<b>Operational reliability</b>		
Requirements	4	Passed
<b>Stability of operational reliability, temperature resistance</b>		
Dry heat (during operation)	5.4	Passed
Cold (during operation)	5.5	Passed
<b>Stability of operational reliability, vibration resistance</b>		
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
<b>Stability of operational reliability, air humidity resistance</b>		
Humid heat, cyclical (during operation)	5.6	Passed
Humid heat, constant (endurance test)	5.7	Passed
<b>Stability of operational reliability, corrosion resistance</b>		
Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance test)	5.8	Passed
<b>Stability of operational reliability, electrical stability</b>		

<b>EN 54-17:2005 + AC:2007</b>		
<b>Essential characteristics</b>	<b>Section</b>	<b>Performance</b>
Fluctuations in supply voltage	5.3	Passed
Electromagnetic compatibility (EMC), interference immunity tests (during operation)	5.13	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

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Head of Fire Safety

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Quality Manager Fire Safety

For signatures, see front page