

## Certificate of Product Approval

Certificate Number: 531y-(cl-1)

Issue: 01

### Siemens Switzerland Ltd

Theilerstrasse 1a  
CH-6300 Zug  
Switzerland



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### Products

##### Alarm Warning Devices

FDS364-R

FDS364-W

(refer to Appendix for details)

#### Standards

EN 54-3:2014 + A1:2019

EN 54-17:2005

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P Halligan

Verifier

23 March 2021

Date of Issue

23 March 2021

Date of First Issue



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## Appendix to Certificate No: 531y-(cl-1)

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### Siemens Switzerland Ltd

| Certified Product | Description   | LPCB Ref.No. |
|-------------------|---|--------------|
| FDS364-R          | <p>Analogue Addressable Type B Sounder with Short Circuit Isolator, Red Body (FDB226-R, FDB227-R bases)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>Meets the requirement of EN 54-3 at the following tones:                             <ol style="list-style-type: none"> <li>Continuous 970Hz</li> <li>Intermittent 950Hz, 1s on, 1s off</li> <li>Sweep down 1200Hz to 500Hz, 1s period</li> <li>Slow whoop 500Hz to 1200Hz, 4s period, 3.5s sweep, 0.5s off</li> <li>Pulse tone 500Hz, 0.15s on, 0.1s off</li> <li>Intermittent 500Hz, 0.15s on, 0.6s off</li> <li>Continuous 500Hz</li> <li>Alternating 560Hz and 440Hz, 0.1s and 0.4s</li> <li>Intermittent 420Hz, 0.6s on, 0.65s off</li> <li>Slow whoop sweep up 500Hz to 1200Hz, 3.75s sweep, 0.25s off</li> <li>Intermittent 970Hz, three pulse 0.5s with 0.5s off, then 1.5s gap</li> <li>Sweep-up 800Hz to 970Hz, 1/7s period</li> <li>Industrial alarm 150Hz to 1000Hz, 10s rise, 40s hold at 1000Hz, 10s fall</li> </ol> </li> <li>Operating voltage range 12-33V</li> </ol> | 531y/01      |
| FDS364-W          | <p>Analogue Addressable Type B Sounder with Short Circuit Isolator, White Body (FDB226-W, FDB227-W bases)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>Meets the requirement of EN 54-3 at the following tones:                             <ol style="list-style-type: none"> <li>Continuous 970Hz</li> <li>Intermittent 950Hz, 1s on, 1s off</li> <li>Sweep down 1200Hz to 500Hz, 1s period</li> <li>Slow whoop 500Hz to 1200Hz, 4s period, 3.5s sweep, 0.5s off</li> <li>Pulse tone 500Hz, 0.15s on, 0.1s off</li> <li>Intermittent 500Hz, 0.15s on, 0.6s off</li> <li>Continuous 500Hz</li> <li>Alternating 560Hz and 440Hz, 0.1s and 0.4s</li> </ol> </li> </ol>   | 531y/01      |

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## Appendix to Certificate No: 531y-(cl-1)

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### Siemens Switzerland Ltd

| Certified Product | Description   | LPCB Ref.No. |
|-------------------|---|--------------|
|                   | 9 - Intermittent 420Hz, 0.6s on, 0.65s off<br>10 - Slow whoop sweep up 500Hz to 1200Hz, 3.75s sweep, 0.25s off<br>11 - Intermittent 970Hz, three pulse 0.5s with 0.5s off, then 1.5s gap<br>12 - Sweep-up 800Hz to 970Hz, 1/7s period<br>13 - Industrial alarm 150Hz to 1000Hz, 10s rise, 40s hold at 1000Hz, 10s fall<br><br>2. Operating voltage range 12-33V |              |

#### Bases

FDB226-R Base  
 FDB227-R Deep Base  
 FDB226-W Base  
 FDB227-W Deep Base

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