

# Certificate

## SC0190-16

The product described below and production control has been found to comply with Building Regulations of the National Board of Housing Building and Planning (BBR) with reference to and under conditions described in this certificate.

### Fire protection system with Fire damper WH45U

#### Holder

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#### Product

Fire protection system with fire damper WH45U. Single blade circular duct connected fire dampers for flush mounting in a wall or floor. The fire damper consists of housing in galvanized sheet steel and damper blade in non-combustible materials, electrical spring return actuator, limit switches and thermal tripping device. Size, Ø200 mm to Ø800 mm. Activation is with a heat and/or smoke detector. The damper must be connected to the monitoring system. Function tests shall be performed at least once every 48 hours.

#### Intended use

Fire damper connected to monitoring system designed to prevent fire and smoke spread in the ventilation system, which breaks through fire separating walls and floors.

#### Trade name

WH45U.

#### Approval

The product have been found to meet the requirements in the following sections of Boverket Building Regulations (BBR):

2)	Operating and maintenance instructions, etc.	2:51
2)	Technical installations and ventilation systems	2:52
2)	Documentation relating to operation and maintenance	5:12
1)	Fire class max. *EI 120 (v <sub>e</sub> i ↔ o) S according to EN 13501-3	5:231
1)	Fire class max. *EI 180 (h <sub>o</sub> i ↔ o) S according to EN 13501-3	5:231
2)	Dampers	5: 2551
2)	HVAC systems	5: 533
2)	Hygiene, health and environmental materials	6:11
2)	Hygiene, health and environmental microorganisms	6:24

### Approval continue

- |  |        |
|--|--------|
| 2 <sup>)</sup> Airtightness                              | 6: 255 |
| air leakage damper blade class 2 according to EN 1751    |        |
| air leakage damper house class C according to EN 1751    |        |
| 2 <sup>)</sup> Protection against collision and crushing | 8: 3   |

1<sup>)</sup> Property verified the BBR by the CE mark according to EN 15650.

2<sup>)</sup> Property verified the BBR by product certification according to the certification rule CR 032.

\* View associated documents and the Declaration of performance.

### Associated documents

"Lindab Brandspjäll WH45U Teknisk handbok", dated 2017-03, 30 pages.

"Lindab Brandspjäll WH45U Installationsanvisning", dated 2017-03, 14 pages.

### Control

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents.

### Manufacturer

Production control includes the following site:  
MP3 srl Camposampiero PD, Italy.

### Marking

The product is to be marked at the factory. The marking consists of a label on every delivered fire damper and includes:

Approval holder	<b>MP3 srl Camposampiero PD, Italy.</b>
Manufacturing site	<b>Lindab Sverige AB, Båstad, Sweden</b>
P-mark	<b>☞</b>
Certification body	<b>SP Certifiering</b>
Product type designation	<b>WH45U</b>
Certificate number	<b>SC0190-16</b>
Fire properties	<b>EI 120 (v<sub>e</sub> i ↔ o) S</b>
Fire properties	<b>EI 180 (h<sub>o</sub> i ↔ o) S</b>
Consecutive manufacture No./date of production	<b>No/date</b>

### Basis for approval

DECLARATION OF PERFORMANCE n°2.2 (n°2 rev.2).

EC certificate of conformity of performance No. 1812 - CPR - 1007.

Report EFR-15-T-000410 from efectis france, France.

Drawing: CIRCUKLAR EUROPEAN FIRE DAMPER WH45/WH45P, dated 2015-04-14.

**Comments**

Assembly instructions must accompany each fire damper delivered.

**Period of validity**

This certificate is valid until 10 April 2022.

**SP Technical Research Institute of Sweden  
Certification**

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