

## Certificate of Product Approval

Certificate Number: 1619b

Issue: 01

### Swastik Synergy Engineering Pvt. Ltd.

53/2 & 53/3, Ajivali  
Khopoli-Pen Road  
Taluka: Khalapur  
Post: Donvat, Dist.: Raigad, Khopoli  
Maharashtra 410203  
India

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

##### Direct Low Pressure (DLP) Application Fixed Fire Suppression Systems

(refer to attached appendix for details)

#### Standards

##### LPS 1666: Issue 1.0

Requirements and test procedures for the LPCB approval of direct low pressure (DLP) application fixed fire suppression systems, using heat sensitive pneumatic detection tubing, for the protection of small defined volume unoccupied enclosures.

This certificate and appendix is maintained and held in force through regular surveillance activities

*S.A. Colwell*

Signed for BRE Global Ltd.

Sarah Colwell  
Verifier

24 May 2021  
Date of Issue

24 May 2021  
Date of First Issue



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## Appendix to Certificate No: 1619b Swastik Synergy Engineering Pvt. Ltd.

Issue: 01

### Synergy Firessense HFC-227ea (Synergy227) Direct Low Pressure (DLP) Application Fixed Fire Suppression Systems

Product Name	Container Size	Description	Detector Tube	Ventilation (Enclosed or Open Vents)	Air Flow (Forced / Natural)	LPCB Ref. No.
SSE-SFS-111000 - 01	1.2 Litre	1 kg HFC-227ea DLP system	P/N: SSE-FT-111006 6mm o/d	Enclosed & open options <sup>4</sup>	Natural airflow only	1619b/01
SSE-SFS-111000 - 02	2.3 Litre	2 kg HFC-227ea DLP system	P/N: SSE-FT-111006 6mm o/d	Enclosed & open options <sup>4</sup>	Natural airflow only	1619b/02
SSE-SFS-111000 - 04	5.2 Litre	4 kg HFC-227ea DLP system	P/N: SSE-FT-111006 6mm o/d	Enclosed & open options <sup>4</sup>	Natural airflow only	1619b/03

#### Notes:

- Swastik Synergy Firessense HFC-227ea DLP Systems shall be configured, installed, serviced and maintained in accordance with:
  - Design, Installation, Operation and Maintenance Manual – SSE-SFS-111000 Rev.05, Date: 11/02/2021
- These systems are intended solely to provide enhanced local fire protection. They are not intended for use as whole room or building fire protection systems.
- The systems use a single method for detection and delivery of the extinguishing agent to the activation point.
  - System operation pressure: 15 bar @ 21°C.
  - System operation temperature range: -20°C to +60°C.
- The above systems may have air vents at low and/or high level (refer note 1).

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Sarah Colwell

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