



No. 2018-020127-01-1

# 안전인증서 Certificate of Safety

**Longvale Ltd.**

Lancaster Park, Needwood Burton upon Trent Staffordshire DE13 9PD UK

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 34 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 4 of Article 58-4 of ENFORCEMENT ORDINANCE OF the same ACT.

## Electrical Equipment

Proximity Switch(Type No.s suffixed W, Wireable)

## Model(Marking) / Certificate No.

(ES,FS)-\*\*\*\*-\*\*-\*(X...), ES-VDHA-\*(Ex d IIC T6/T4) / 16-KA4BO-0162X

## Applied standards

Announcement No. 2016-54 of Ministry of Employment and Labor

## Conditions of Certification

### 1. Manufacturing location(s)

·This certificate is valid only for the specified products produced at 'Lancaster Park, Needwood Burton upon Trent Staffordshire DE13 9PD UK'.

### 2. Description of equipment

·An proximity switch which is operating in accordance with the approach of external magnet(Model ES) or ferrous(Model FS)

·Rating

-Model ES: @60 W - 24 Vdc, 2.5 A / 110 Vac, 540 mA / 230 Vac, 250 mA

-Model ES: @20 W - 24 Vdc, 830 mA / 110 Vac, 180 mA / 230 Vac, 80 mA

-Model FS: 24 Vdc, 3A / 110 Vac, 4 A / 240 Vac, 2 A

·Ambient temperature: -20 °C ≤ Ta ≤ +70 °C(T6), -60 °C ≤ Ta ≤ +120 °C(T4)

### 3. Scope of certification: This certificate is valid only for the models as below.

	(a)	(b)	(c)	(d)	(e)	(f)
ES-(a)(b)(c)(d)-(e)-(f)-(X...)	3, 4, 5	3, A, B, D, V	2	1, 2	A, B, C, D	W, WL, WLR
FS-(a)(b)(c)(d)-(e)-(f)-(X...)	A, B, C, D, E, F	3, A, B, D, V	2	1, 2	D	W, WL, WLR
ES-VDHA-(a)	450, 700	-	-	-	-	-

### 4. Special conditions for safe use

·See SPECIFIC CONDITIONS OF USE on IECEx certificate(IECEx BAS 14.0056X issue No.5)

### 5. Details of certificate changes

·1st Revision(2018.05.03.): This certificate is reissued to include the renewal of latest certificate, additional options and the modified drawing from No. 2015-069499-01.

### 6. Details of the others

·Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.

·This certificate shall be used with the related IECEx certificate(IECEx BAS 14.0056X issue No.5)

Date of Issue: 2016-01-29

한국산업기술시험원장  
KOREA TESTING LABORATORY





제2018-019793-01호

# 안전인증서

Longvale Ltd.

Lancaster Park, Needwood Burton upon Trent Staffordshire DE13 9PD UK

위 사업장에서 제조하는 아래의 품목이 「산업안전보건법」 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

## 품 목

Proximity Switch(Type No.s suffixed W, Wireable)

## 형식·모델(용량·등급) / 인증번호

(ES,FS)-\*\*\*\*\*--(X...), ES-VDHA-(Ex d IIC T6/T4) / 16-KA4BO-0162X

## 인증기준

고용노동부고시 제2016-54호

## 인증조건

### 1. 제조공장

·본 인증서는 'Lancaster Park, Needwood Burton upon Trent Staffordshire DE13 9PD UK'에서 생산하는 제품에 한함.

### 2. 제품개요

·외부 자석(ES 모델) 또는 철(FS 모델)의 접근에 따라 동작하는 근접 스위치

·정격

-ES 모델: @60 W - 24 Vdc, 2.5 A / 110 Vac, 540 mA / 230 Vac, 250 mA

-ES 모델: @20 W - 24 Vdc, 830 mA / 110 Vac, 180 mA / 230 Vac, 80 mA

-FS 모델: 24 Vdc, 3A / 110 Vac, 4 A / 240 Vac, 2 A

·사용주위온도:  $-20\text{ }^{\circ}\text{C} \leq T_a \leq +70\text{ }^{\circ}\text{C}(T6)$ ,  $-60\text{ }^{\circ}\text{C} \leq T_a \leq +120\text{ }^{\circ}\text{C}(T4)$

### 3. 인증범위: 본 인증서는 아래의 형식번호에 한하여 유효함.

	(a)	(b)	(c)	(d)	(e)	(f)
ES-(a)(b)(c)(d)-(e)-(f)-(X...)	3, 4, 5	3, A, B, D, V	2	1, 2	A, B, C, D	W, WL, WLR
FS-(a)(b)(c)(d)-(e)-(f)-(X...)	A, B, C, D, E, F	3, A, B, D, V	2	1, 2	D	W, WL, WLR
ES-VDHA-(a)	450, 700	-	-	-	-	-

### 4. 안전한 사용을 위한 조건

·상세 조건은 관련 IECEx 인증서(IECEx BAS 14.0056X Issue No.5)의 specific conditions of use를 참조

### 5. 인증(변경)사항

·1차 변경(2018.05.03.): 기존 제2015-069499-01호에서 최신규격평가, 옵션 추가 및 도면 수정으로 변경 발행함.

### 6. 그 밖의 사항

·안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수

·본 안전인증서는 반드시 관련 IECEx 인증서(IECEx BAS 14.0056X Issue No.5)와 함께 사용

2016 년 1 월 29 일

## 한국산업기술시험원장

