



No. 2016-075336-01

안전인증서

Certificate of Safety

Power-Genex Ltd.

99, Eunbong-ro, Namdong-gu, Incheon, Korea

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

Solenoid valve

Model(Marking) / Certificate No.

ESV series(Ex d IIC T6/T5/T4) / 17-KA2BO-0044X

Applied standards

Announcement No. 2013-54 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s)

·This certificate is valid only for the specified peroducts produced at '99, Eunbong-ro, Namdong-gu, Incheon, Korea'

2. Description of equipment

·This equipment is Ex type solenoid valve.
·Rating: (110/220) Vac, (50/60) Hz, 24 Vdc, 9.7 VA(220 Vac), 9.9 VA(110 Vac), 4.8 W(24 Vdc)
·Ambient Temperature: -30 °C ≤ Ta ≤ +50 °C(T6), -30 °C ≤ Ta ≤ +65 °C(T5), -30 °C ≤ Ta ≤ +80 °C(T4)

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

·ESV-ab-cd-Fe
-a(operating type): S(single), D(double), 3(3 way), 31(3 way spool)
-b(material): blank(body & valve: ALDC12.1), S(body: ALDC12.1, valve: SUS316), C(body & valve: SUS316)
-c(voltage): A220(220 Vac), A110(110 Vac), D24(24 Vdc)
-d(pipe thread): P(G 1/2, only for type of protection "d"), N(NPT 1/2), M(M20 × 1.5)
-F(protection class): IECEx
-e(coil class): blank(F class), H(H class)

4. Special conditions for safe use

·See special conditions for safe use on IECEx Certificate (IECEx KTL 16.0017X issue No.0) for the details.

5. Details of certificate change: None.

6. Details of 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 KTL 16.0017X issue No.0).

Date of Issue: 2017-01-19

한국산업기술시험원장





제2016-075336-01호

안전인증서

파워제넥스(주)

인천광역시 남동구 은봉로 99

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

품 목

솔레노이드 밸브(Solenoid valve)

형식·모델(용량·등급) / 인증번호

ESV series(Ex d IIC T6/T5/T4) / 17-KA2BO-0044X

인증기준

고용노동부고시 제2013-54호

인증조건

1. 제조공장

·본 인증서는 '인천광역시 남동구 은봉로 99'에서 생산하는 제품에 한함.

2. 제품개요

·방폭형 솔레노이드 밸브임.

·정격: (110/220) Vac, (50/60) Hz, 24 Vdc, 9.7 VA(220 Vac), 9.9 VA(110 Vac), 4.8 W(24 Vdc)

·사용주위온도: $-30\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$ (T6), $-30\text{ }^{\circ}\text{C} \leq T_a \leq +65\text{ }^{\circ}\text{C}$ (T5), $-30\text{ }^{\circ}\text{C} \leq T_a \leq +80\text{ }^{\circ}\text{C}$ (T4)

3. 인증범위: 본 인증서는 아래의 형식번호에 한하여 유효함.

·ESV-ab-cd-Fe

-a(방식): S(single), D(double), 3(3 way), 31(3 way spool)

-b(재질): 공백(용기 및 밸브: ALDC12.1), S(용기: ALDC12.1, 밸브: SUS316), C(용기 및 밸브: SUS316)

-c(전압): A220(220 Vac), A110(110 Vac), D24(24 Vdc)

-d(관용 나사): P(G 1/2, 내압방폭 "d" 전용), N(NPT 1/2), M(M20 × 1.5)

-F(보호 등급): IECEx

-e(코일 등급): 공백(F class), H(H class)

4. 안전한 사용을 위한 조건

·관련 IECEx 인증서(IECEx KTL 16.0017X issue No.0) 3페이지 conditions of certification 참조

5. 인증(변경)사항: 없음.

6. 그 밖의 사항

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

·본 안전인증서는 반드시 관련 IECEx 인증서(IECEx KTL 16.0017X issue No.0)와 함께 사용

2017년 1월 19일

한국산업기술시험원장

