



제16-0768호

# 안전인증서

## DANFOSS A/S

Nordborgvej 81 6430 Nordborg, Denmark

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

### 품 목

Solenoid Valve Coils

### 형식 · 모델 / 용량 · 등급 / 인증번호

형식·모델	용량 · 등급	인증번호
018F4704 (동일형식일람표 참조)	동일형식일람표 참조 Ex mb IIC T4	16-GA4BO-0768X

### 인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

### 인 증 조 건

Tamb -40 °C to +45 °C, 뒷면참조

2016 년 11 월 04 일

한국가스안전공사 사장





# 인 증 조 건

## 1. 제조공장

Albuen 29 6000 Kolding Denmark에 위치한 Danfoss A/S에서 생산한 제품 중 아래 인증범위의 제품에 한함.

## 2. 제품개요

These are solenoid coils for use with Danfoss 'B-series' valves. They are intended for permanent installation and are supplied with a permanently attached cable. They are intended for use with 13.5 mm armature direct/servo driven valve types (for example EV . . . B).

The coils consist of a copper wire winding mounted on a plastic coil former over a thermal cut-out, which is intended to remove power to the winding in the event of the limit temperature being reached internally. The winding ends are connected to internally mounted contacts. The external cable is soldered to the internal contacts and the entire sub-assembly is then encapsulated using an injection moulding process. A metallic housing is then fitted around the encapsulated part of the coil, covering substantially all of the encapsulating compound, and earthed using a connection to the external cable. The coils are marked by printing the necessary information directly onto the metallic outer housing. The coils are intended to have an external protective fuse which provides additional limitation of the current available from the supply to ensure the rating of the thermal cut-out is not exceeded.

Model numbers: 018F4704 (230 Vac 50 Hz / 240 Vac 60 Hz)

Temperature range: Coil: -40 to +45°C, Process Medium: -40 to +70°C

## 3. 인증범위

품목 명: Solenoid Valve Coils

모델 명: 018F4704

## 4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. An external protective fuse is required to protect the coils as follows: 018F4704: 150 mA, 1500 A breaking capacity, 250 V, Medium Time Lag

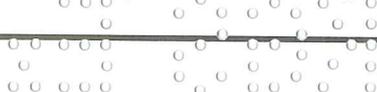
다. The power supplying the solenoid must be limited to a prospective short circuit current of a maximum of 1500 A. The solenoid coil shall be protected against impact during use. The product is provided with a Y/G coloured earth wire as well as an external earth terminal. These shall not be used simultaneously. If the external earth connection is connected to earth or bonding system, the Y/G earth wire must be cut off, isolated and not connected. If the Y/G wire is connected to earth, the external earth terminal must be left without any connection. The solenoid shall be protected against direct sunlight and other ultraviolet sources. The cable supplied with the solenoids must not be handled or flexed and protected against impact if the ambient temperature is below 0 °C.

## 5. 인증(변경)사항

IECEX ULD 14.0001X Issue No.1에 의해 작성되었음

## 6. 그 밖의 사항

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

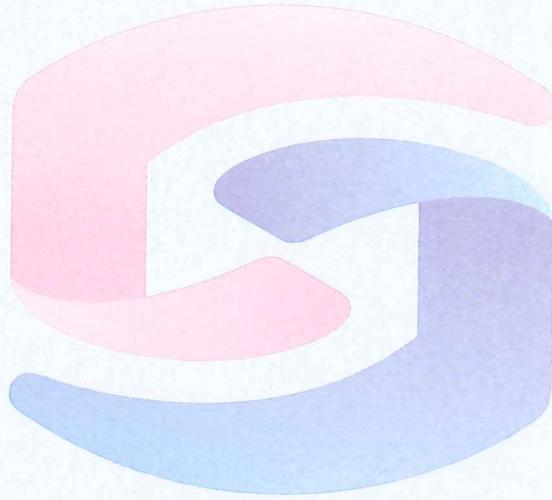


인증번호 : 16-GA4BO-0768X

[첨부]

### 동 일 형 식 일 랑 표

사업장명	Danfoss A/S		개정일자 및 번호			인증번호	
형식 및 모델		동일형식 인정범위 및 내역				비 고	
형식	모델	인정항목1	인정항목2	인정항목3	인정항목4		
Solenoid Valve Coils	018F4704	230 V	0.09 A	50 Hz			
		240 V	0.08 A	60 Hz			



복사본 COPY

복사본 COPY

