

제24-0185호



안전인증서

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위 사업장에서 제조하는 아래의 품목이 「산업안전보건법」 제84조 및 같은 법 시행규칙 제110조제1항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

PLUG

형식·모델 / 용량·등급 / 인증번호

| 형식·모델 | 용량·등급 | 인증번호 |
|---------------|---|----------------|
| 8570/**_***_* | Max. 690 Vac, 110 Vdc, Max. 20 A Ex tb IIIC T75°C Db | 24-GA4BO-0185X |

인증기준

방호장치 안전인증 고시(고용노동부고시 제2021-22호)

인증조건

Tamb : -50°C ~+35°C...65°C, 뒷면참조

2024년 04월 17일

한국가스안전공사 사장





[첨부] 24-GA4BO-0185X

1. 명명법

| | | | | | | | | |
|------|---|---|---|---|---|----|---|---|
| 8570 | / | * | * | - | * | ** | - | * |
| a | / | b | c | - | d | e | - | f |

a Type series

b Design : 1 standard (16A / 20A), 2 North America (20A)

c Device : 2 Plug

d Poles

3 2P + PE or 1P + N + PE

4 3P + PE

5 3P + N + PE

e Position for earth contact and voltage / frequency / color

f Sealing material

B silicone free

S containing silicone

2. Ambient temperature

For Plug type 8570/*2-***-* with sealing ring made of D0122-01:

$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C} \dots 65^{\circ}\text{C} / T6 \dots T5$ by current range 6A...16A (20A)

For Plug type 8570/*2-***-* with sealing ring made of D0123-01:

$-50^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C} \dots 65^{\circ}\text{C} / T6 \dots T5$ by current range 6A...16A (20A)

3. Service temperature

For Plug type 8570/*2-***-* with sealing ring made of D0122-01:

$-40^{\circ}\text{C} \leq T_s \leq +75^{\circ}\text{C}$ (for the enclosure ring and cable gland)

$-40^{\circ}\text{C} \leq T_s \leq +95^{\circ}\text{C}$ (for terminals)

For Plug type 8570/*2-***-* with sealing ring made of D0123-01:

$-50^{\circ}\text{C} \leq T_s \leq +75^{\circ}\text{C}$ (for the enclosure ring and cable gland)

$-50^{\circ}\text{C} \leq T_s \leq +95^{\circ}\text{C}$ (for terminals)

4. Electrical data

| | Main contacts | |
|---|--|--------------------|
| | 3 poles | 4, 5 poles |
| Max. rated operational voltage | 550V AC / 110 V DC | 690V AC / 110 V DC |
| Max. rated insulation voltage | 550 V AC | 750 V AC |
| Max. rated operational current | 16A / 20 A | |
| Rated frequency | 0... 500 Hz | |
| Short-circuit protection | 16 A gG(without thermal protection) 35 A gG(with thermal protection) | |
| Terminal capacity for plug type 8570/*2-*** | 1 x 1.5...4 mm ² (16... 12 AWG) solid or stranded | |
| PE conductor size | Max 4 mm ² | |
| Tightening torque | Terminals : 1.2 Nm Terminal compartment cover : 1.0 Nm Cable gland screw : 0.5 Nm Cable strain relief : 1.5 Nm | |
| Clamping range of cable gland | 8 up 13 mm (silicone) 8 up to 15 mm(silicone free) | |
| Cable entries (of the Plug) | 8 up to 18 mm Ring 1+2+3+4 : 8 up to 11 mm Ring 2+3+4 : 11 up to 15 mm Ring 3+4 : 15 up to 18 mm(only silicone) | |