

접수번호: 20150925-0054

### 전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15001A

(Certificate No.)

제조업자명: ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product)

기본모델명: S801S-C16

(Basic Model)

정격: 240 V~, 50 kA, 16 A, 1P

(Rating)

파생모델명 (Series Model):

S801N-B10 S801N-B13 S801N-B16 S801N-C10 S801N-C13 S801N-C16 S801N-D10 S801N-D13 S801N-D16 S801S-B10 S801S-B13 S801S-B16 S801S-B6 S801S-B8 S801S-C10 S801S-C13 S801S-C6 S801S-C8 S801S-D10 이면기재

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연구 Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

S801S-D13

S801S-D6 S801S-K10 S801S-K16

S801S-K8

S801S-D16

S801S-D8

S801S-K13

S801S-K6

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안전인증번호: HW05025-15001A

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접수번호: 20150925 - 0054

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격 |                         | 기본모델과의 차0   | 섬               |
|------------------------|-------------|-------------------------|---|-----------------|
| (Class)                | (Model / Ra | (Model / Rating)        |   | basic<br>nodel) |
| 기본모델<br>(Basic model)  | S801S-C16   | 240 V~, 50 kA, 16 A, 1P |   |                 |
| 파생모델<br>(Series model) | S801S-C6    |                         | identical to basic model for rated current                            | except          |
|                        | S801S-C8    |                         | identical to basic model for rated current                            | except          |
|                        | S801S-C10   |                         | identical to basic model for rated current                            | except          |
|                        | S801S-C13   |                         | identical to basic model for rated current                            | except          |
|                        | S801S-B6    |                         | identical to basic model<br>for rated current, trip<br>characteristic |                 |
|                        | S801S-B8    |                         | identical to basic model<br>for rated current, trip<br>characteristic | except          |
|                        | S801S-B10   |                         | identical to basic model<br>for rated current, trip<br>characteristic |                 |

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| 안전인증번호:<br>(Certificate No) | HW05025-15001A | 접수번호: 20150925 - 0054<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S801S-B13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-B16      | identical to basic model except<br>for trip characteristic                          |
|                             | S801S-D6       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-08       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-D10      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-D13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-D16      | identical to basic model except<br>for trip characteristic                          |
|                             | S801S-K6       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-K8       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-K10      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-K13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S801S-K16      | identical to basic model except<br>for trip characteristic                          |
|                             | S801N-C10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |
|                             | S801N-C13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |

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| 안전인증번호:<br>(Certificate No) | HW05025-15001A | 접수번호: 20150925 - 0054<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S801N-C16      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S801N-B10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B16      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |
|                             | S801N-D10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D16      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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(Certificate No)

접수번호: 20150925 - 0054

(Receipt No)

#### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                     | 인증규격            |
|-------------------|-----------|-------------------------------------|-------------------------|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)          | (Certification) |
| Cover             | 01        | B4450 (PBT)                         | BASF SE (Ultradur)      |                 |
| Cover             | 02        | A3 GF35 V0 GY (PA66)                | Nilit Plastic (Frianyl) |                 |
| Moving<br>Contact | 03        | Copper coated with silverAgNi20     | DoducoUmicore           | ,               |
| Fixed Contact     | 04        | Copper baseAgC4                     | UmicoreInnovan          | 4<br>4<br>4     |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -                       | - 4<br>4        |
| Switch            | 06        | Toggle switch, FZL-4033 (PPS)       | DIC. (DIC)              | ( - (104)       |
| Lever             | 07        | Beat lever, A3X2G7 (PA6)            | BASF AG (Ultramid)      |                 |
| Lever             | 08        | Latching lever, FZ-1140-D5 (PPS)    | DIC. (DIC)              |                 |

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안전인증번호: HW05025-15001A

(Certificate No)

접수번호: 20150925 - 0054

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
| = Ar(Date) | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |
|            |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0055

## 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15002A

(Certificate No.)

제조업자명: ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명:

Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명:

배선용차단기

(Product)

기본모델명:

S801S-C32

(Basic Model)

정격:

240 V~, 50 kA, 32 A, 1P

(Rating)

파생모델명 (Series Model):

S801N-B20 S801N-B25 S801N-B32 S801N-C20 S801N-C25 S801N-C32 S801N-D20 S801N-D25 S801N-D32 S801S-B20 S801S-B25 S801S-B32 S801S-C20 S801S-C25 S801S-D20 S801S-D25 S801S-D32 S801S-K20 S801S-K25 S801S-K32

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)



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안전인증번호: HW05025-15002A

(Certificate No)

접수번호: 20150925 - 0055

(Receipt No)

#### 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical
Appliances Safety Control Law)

#### 1.3 등록모델 (Registered Models)

|                        |                  |                         |   | DALESCO () |
|------------------------|------------------|-------------------------|---|------------|
| 구 분                    | 모 델 명 및          | L 정 격                   | 기본모델과의 차이   | 점          |
| (Class)                | (Model / Rating) |                         | (Difference between model and series m                                |            |
| 기본모델<br>(Basic model)  | S801S-C32        | 240 V~, 50 kA, 32 A, 1P |   |            |
| 파생모델<br>(Series model) | S801S-C20        |                         | identical to basic model for rated current                            | except     |
|                        | S801S-C25        |                         | identical to basic model for rated current                            | except     |
|                        | S801S-B20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except     |
|                        | S801S-B25        |                         | identical to basic model<br>for rated current, trip<br>characteristic |            |
|                        | S801S-B32        |                         | identical to basic model<br>for trip characteristic                   | except     |
|                        | S801S-D20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except     |
|                        | S801S-025        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except     |

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| 안전인증번호:<br>(Certificate No) | HW05025-15002A | 접수번호: 20150925 - 0055<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S801S-K20      | identical to basic model except for rated current, trip characteristic                                      |
|                             | S801S-K25      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S801S-K32      | identical to basic model except for trip characteristic   |
|                             | S801N-C20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S801N-C25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S801N-C32      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S801N-B20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B32      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S801N-D20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D32      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |
|                             | S801S-D32      | identical to basic model except<br>for trip characteristic  |

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안전인증번호: HW05025-15002A

(Certificate No)

접수번호: 20150925 - 0055

(Receipt No)

#### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격            |
|-------------------|-----------|-------------------------------------|--|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification) |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                 |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | Co              |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |                 |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 3.54            |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 116,10          |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                 |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative<br>Plastics             |                 |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                 |

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안전인증번호: HW05025-15002A

(Certificate No)

접수번호: 20150925 - 0055

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          | Si ii o <sub>n u</sub> |
|------------|---------------------------------|------------------------|
|            | 변경내용(Modification of Contents)  |                        |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |                        |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0056

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15003A

(Certificate No.)

제조업자명: ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product)

기본모델명: S801S-C63

(Basic Model)

240 V~, 50 kA, 63 A, 1P 정격:

(Rating)

파생모델명 (Series Model):

S801N-B40 S801N-B50 S801N-B63 S801N-C40 S801N-C50 S801N-C63 S801N-D40 S801N-D50 S801N-D63 S801S-B40 S801S-B50 S801S-B63 S801S-C40 S801S-C50 S801S-D40 S801S-D50 S801S-D63 S801S-K40 S801S-K50 S801S-K63

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연

Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며. 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

page: 1 / 4

안전인증번호: HW05025-15003A

(Certificate No)

접수번호: 20150925 - 0056

(Receipt No)

#### 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

| 구 분                    | 모달               | 벨 명 및 정 격               | 기본모델과의 차이점   |  |
|------------------------|------------------|-------------------------|--|--|
| (Class)                | (Model / Rating) |                         | (Difference between basic model and series model)                            |  |
| 기본모델<br>(Basic model)  | S801S-C63        | 240 V~, 50 kA, 63 A, 1P |  |  |
| 파생모델<br>(Series model) | S801S-C40        |                         | identical to basic model except for rated current                            |  |
|                        | S801S-C50        |                         | identical to basic model except for rated current                            |  |
|                        | S801S-B40        |                         | identical to basic model except<br>for rated current, trip<br>characteristic |  |
|                        | S801S-B50        |                         | identical to basic model except for rated current, trip characteristic       |  |
|                        | S801S-B63        |                         | identical to basic model except for trip characteristic                      |  |
|                        | S801S-D40        |                         | identical to basic model except<br>for rated current, trip<br>characteristic |  |
|                        | S801S-D50        |                         | identical to basic model except<br>for rated current, trip<br>characteristic |  |

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| 안전인증번호:<br>(Certificate No) | HW05025-15003A | 접수번호: 20150925 - 0056<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S801S-D63      | identical to basic model except for trip characteristic   |
|                             | S801S-K40      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S801S-K50      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S801S-K63      | identical to basic model except<br>for trip characteristic  |
|                             | S801N-C40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S801N-C50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S801N-C63      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S801N-B40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B63      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |
|                             | S801N-D40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D63      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15003A

(Certificate No)

접수번호: 20150925 - 0056

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호<br>(Dant Na) | 특 성<br>(Table in Local)             | 제조자                                      | 인증규격                                  |
|-------------------|-----------------|-------------------------------------|--|---------------------------------------|
| (Components)      | (Part No)       | (Technical Data)                    | (Manufacturer)                           | (Certification)                       |
| Cover             | 01              | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 9 46<br>13 15<br>13 15<br>13 17       |
| Cover             | 02              | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                                       |
| Moving<br>Contact | 03              | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                                       |
| Fixed Contact     | 04              | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | 1 1<br>2 1                            |
| Magnetic Coil     | 05              | High temperature enamel coated wire | -  |                                       |
| Switch            | 06              | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              |                                       |
| Lever             | 07              | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                                       |
| Lever             | 08              | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | , , , , , , , , , , , , , , , , , , , |
| Lever             | 09              | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                                       |
|                   |                 |                                     |  |                                       |

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안전인증번호: HW05025-15003A

(Certificate No)

접수번호: 20150925 - 0056

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
| ≥ Ar(∪ate) | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |
| 2010/02/10 |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):



접수번호: 20150925-0057

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15004A

(Certificate No.)

제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명:

Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명:

배선용차단기

(Product)

기본모델명:

S801S-C100

(Basic Model)

정격:

240 V~, 50 kA, 100 A, 1P

(Rating)

파생모델명 (Series Model):

S801N-B100

S801N-B80

S801N-C100

S801N-C80

S801N-D100

S801N-D80

S801S-B100 S801S-C80

S801S-B80 S801S-D100

S801S-D80

S801S-K100

S801S-K80

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연. Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)



page: 1 / 4

안전인증번호: HW05025-15004A

(Certificate No)

접수번호: 20150925 - 0057

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| parameter and the second secon |  |
|--|--|
| 구분(Section)  | 내 용 (Description)  |
| 용도<br>(Normal use)   | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction)  | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction)  |  |
| 기타(Others)   |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                     | 모 델 명 및 정 격      |                            | 기본모델과의 차이점   |
|-------------------------|------------------|----------------------------|--|
| (Class)                 | (Model / Rating) |                            | (Difference between basic model and series model)                            |
| 기본모델<br>(Basic model)   | S801S-C100       | 240 V~, 50 kA, 100 A<br>1P | ,  |
| 파생모델<br>Series model)   | S801S-C80        |                            | identical to basic model except for rated current                            |
|                         | S801S-B80        |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
|                         | S801S-B100       |                            | identical to basic model except<br>for trip characteristic                   |
|                         | S801S-D80        |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
| S801S-D100<br>S801S-K80 |                  |                            | identical to basic model except<br>for trip characteristic                   |
|                         |                  |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
|                         | S801S-K100       |                            | identical to basic model except<br>for trip characteristic                   |

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| 안전인증번호:<br>(Certificate No) |            | 접수번호: 20150925 - 0057<br>(Receipt No)   |
|-----------------------------|------------|---|
|                             | S801N-C80  | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S801N-C100 | identical to basic model except for interrupting current(36kA)  |
|                             | S801N-B80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-B100 | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S801N-D80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S801N-D100 | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15004A

(Certificate No)

접수번호: 20150925 - 0057

(Receipt No)

#### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명           | 번호        | 특 성   | 제조자                          | 인증규격                                    |
|---------------|-----------|---|------------------------------|---|
| (Components)  | (Part No) | (Technical Data)                                    | (Manufacturer)               | (Certification)                         |
| Cover         | 01        | Housing Cover, A3UG5 (PA66)                         | BASF SE (Ultramid)           | /                                       |
|               |           |   |                              | u L                                     |
| Cover         | 02        | Housing Cover, A60G1V30                             | Rhodia Engineering           | 1 72                                    |
|               |           |   | Plastics (Technyl)           | V v v                                   |
| Moving        | 03        | Copper plated with silver                           | Ami DODUCO                   | · · · · · · · · · · · · · · · · · · ·   |
| Contact       | 03        | Copper plated with sliver                           | GmbHUmicore AG               | Į.                                      |
| Fired Contest |           | 01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-             | 4                            |   |
| Fixed Contact | 04        | Steel with copper coatingAg/G3                      | Ami DODUCO<br>GmbHUmicore AG | v                                       |
|               |           |   | Smbriomicore Ad              | 72 <sup>1</sup> 2                       |
| Magnetic Coil | 05        | High temperature enamel coated                      | -                            | , g                                     |
|               |           | wire  |                              | 44 . j. ja .                            |
| Switch        | 06        | Toggle switch, A700G25H (PA66)                      | Polyone Corp.                | N SELENCE OF                            |
|               |           |   | (Bergamid)                   |   |
| Lever         | 07        | Beat lever, A3WG7                                   | BASF AG (Ultramid)           |   |
|               | 100       | the state of the state of the state of the state of | (                            |   |
| Lever         | 08        | Latching lever, Ultem 4000 (PA66)                   | Sabic Innovative             | e = = = = = = = = = = = = = = = = = = = |
| Lever         | 00        | Laterning lever, Oilen 4000 (1 700)                 | Plastics                     | _ 4                                     |
|               | 00        | T A2V207  | DAGE OF (IIII                | H H                                     |
| Lever         | 09        | Transmission lever, A3X2G7                          | BASF SE (Ultramid)           |   |
|               |           |   |                              | at a                                    |

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안전인증번호: HW05025-15004A

(Certificate No)

접수번호: 20150925 - 0057

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Data) | 발급현황(Status of issues)          |
|-------------|---------------------------------|
| 일자(Date)    | 변경내용(Modification of Contents)  |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0058

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15005A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

제조공장의 주소: (Factory Address)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제품명:

배선용차단기

(Product) 기본모델명:

(Basic Model)

S801S-C125

정격:

240 V~, 50 kA, 125 A, 1P

(Rating)

파생모델명 (Series Model):

S801N-B125

S801N-C125

S801N-D125

S801S-B125

S801S-D125

S801S-K125

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연₩

Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며. 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15005A

(Certificate No)

접수번호: 20150925 - 0058

(Receipt No)

#### 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격      |                             | 기본모델과의 차이   | 점       |
|------------------------|------------------|-----------------------------|---|---------|
| (Class)                | (Model / Rating) |                             | (Difference between basic model and series model)                           |         |
| 기본모델<br>(Basic model)  | S801S-C125       | 240 V~, 50 kA, 125 A,<br>1P |   |         |
| 파생모델<br>(Series model) | S801S-B125       |                             | identical to basic model<br>for trip characteristic                         | except  |
|                        | S801S-D125       |                             | identical to basic model<br>for trip characteristic                         | except  |
|                        | S801S-K125       |                             | identical to basic model<br>for trip characteristic                         | except  |
|                        | S801N-B125       |                             | identical to basic model<br>for interrupting current<br>trip characteristic |         |
|                        | S801N-C125       |                             | identical to basic model<br>for interrupting current<br>trip characteristic | (36kA), |
|                        | S801N-D125       |                             | identical to basic model<br>for interrupting current<br>trip characteristic |         |

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안전인증번호: HW05025-15005A

(Certificate No)

접수번호: 20150925 - 0058

(Receipt No)

#### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                |
|-------------------|-----------|-------------------------------------|--|---------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)     |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                     |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                     |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                     |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | - Ť·                |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |                     |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | f : <u>viso .</u> ) |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | a                   |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | # g                 |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                     |

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안전인증번호: HW05025-15005A

(Certificate No)

접수번호: 20150925 - 0058

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Doto) | 발급현황(Status of issues)          |
|-------------|---------------------------------|
| 일자(Date)    | 변경내용(Modification of Contents)  |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) |
|             |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no.. Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0059

## 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15006A

(Certificate No.)

제조업자명: ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product) 기본모델명:

S802S-C16

(Basic Model)

정격: 415 V~, 50 kA, 16 A, 2P

(Rating)

파생모델명 (Series Model):

S802N-B10 S802N-B13 S802N-B16 S802N-C10 S802N-C13 S802N-C16 S802N-D10 S802N-D13 S802N-D16 S802S-B10 S802S-B13 S802S-B16 S802S-B6 S802S-B8 S802S-C10 S802S-C13 S802S-C6 S802S-C8 S802S-D10 이면기재

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연

Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

S802S-D13

S802S-D6

S802S-K10

S802S-K16

S802S-K8

S802S-D16

S802S-D8

S802S-K13

S802S-K6

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안전인증번호: HW05025-15006A

(Certificate No)

접수번호: 20150925 - 0059

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

|                                 | QL   |  |
|---------------------------------|--|--|
| 구분(Section)                     | 내 용 (Description)  |  |
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |
| 기타(Others)                      |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격      |                         | 기본모델과의 치   | 하이점        |
|------------------------|------------------|-------------------------|--|------------|
| (Class)                | (Model / Rating) |                         | (Difference between model and serie                              | een basic  |
| 기본모델<br>(Basic model)  | S802S-C16        | 415 V~, 50 kA, 16 A, 2P |  |            |
| 파생모델<br>(Series model) | S802S-C6         |                         | identical to basic mo<br>for rated current                       | del except |
|                        | S802S-C8         |                         | identical to basic mo<br>for rated current                       | del except |
|                        | S802S-C10        |                         | identical to basic mo<br>for rated current                       | del except |
|                        | S802S-C13        |                         | identical to basic mo<br>for rated current                       | del except |
|                        | S802S-B6         |                         | identical to basic mo<br>for rated current, tr<br>characteristic |            |
|                        | S802S-B8         |                         | identical to basic mo<br>for rated current, tr<br>characteristic |            |
|                        | S802S-B10        |                         | identical to basic mo<br>for rated current, tr<br>characteristic | del except |

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| 안전인증번호:<br>(Certificate No) | HW05025-15006A | 접수번호: 20150925 - 005<br>(Receipt No)  | 9  |
|-----------------------------|----------------|---|--|
|                             | S802S-B13      | identical to basic model except<br>for rated current, trip<br>characteristic        | a de la companya de l |
|                             | S802S-B16      | identical to basic model except<br>for trip characteristic                          |  |
|                             | S802S-D6       | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-D8       | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-D10      | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-D13      | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-D16      | identical to basic model except for trip characteristic                             |  |
|                             | S802S-K6       | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-K8       | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-K10      | identical to basic model except<br>for rated current, trip<br>characteristic        |  |
|                             | S802S-K13      | identical to basic model except<br>for rated current, trip<br>characteristic        | -  |
|                             | S802S-K16      | identical to basic model except for trip characteristic                             | ĺ  |
|                             | S802N-C10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |  |
|                             | S802N-C13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |  |

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| 안전인증번호:<br>(Certificate No) | HW05025-15006A | 접수번호: 20150925 - 0059<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S802N-C16      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S802N-B10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B16      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S802N-D10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D16      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15006A

(Certificate No)

접수번호: 20150925 - 0059

(Receipt No)

#### 2.안전관리 부품 및 재질목록(List of Critical Components)

| (Technical Data) Housing Cover, A3UG5 (PA66) | (Manufacturer) BASF SE (Ultramid)  | (Certification)  |
|--|--|--|
| Housing Cover, A3UG5 (PA66)                  | BASF SE (Ultramid)   |  |
|  | (3.0.00)   |  |
| Housing Cover, A60G1V30                      | Rhodia Engineering<br>Plastics (Technyl)   |  |
| Copper plated with silver                    | Ami DODUCO<br>GmbHUmicore AG   | - 1  |
| Steel with copper coatingAg/G3               | Ami DODUCO<br>GmbHUmicore AG   |  |
| High temperature enamel coated wire          | -  | 4  |
| Toggle switch, A700G25H (PA66)               | Polyone Corp.<br>(Bergamid)  | 1.1.4  |
| Beat lever, A3WG7                            | BASF AG (Ultramid)   | 7 A  |
| Latching lever, Ultem 4000 (PA66)            | Sabic Innovative Plastics  | 2  |
| Transmission lever, A3X2G7                   | BASF SE (Ultramid)   |  |
|  | Copper plated with silver  Steel with copper coatingAg/G3  High temperature enamel coated wire  Toggle switch, A700G25H (PA66)  Beat lever, A3WG7  Latching lever, Ultem 4000 (PA66) | Plastics (Technyl)  Copper plated with silver  Ami DODUCO GmbHUmicore AG  Ami DODUCO GmbHUmicore AG  Ami DODUCO GmbHUmicore AG |

#### IJ 문 서 Technical Document

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안전인증번호: HW05025-15006A

(Certificate No)

접수번호: 20150925 - 0059

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Data)                     | 발급현황(Status of issues)         |
|---------------------------------|--------------------------------|
| 일자(Date)                        | 변경내용(Modification of Contents) |
| 기본+파생모델등록(Basic + Series Model) |                                |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부. 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0060

## 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15007A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product)

S802S-C32

기본모델명:

(Basic Model)

정격:

415 V~, 50 kA, 32 A, 2P (Rating)

파생모델명 (Series Model): S802N-B20 S802N-B25 S802N-B32 S802N-C20 S802N-C25 S802N-C32 S802N-D20 S802N-D25 S802N-D32 S802S-B20 S802S-B25 S802S-B32 S802S-C20 S802S-C25 S802S-D20 S802S-D25 S802S-D32 S802S-K20

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

S802S-K25

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 **월** 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연

S802S-K32

Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

page: 1 / 4

안전인증번호: HW05025-15007A

(Certificate No)

접수번호: 20150925 - 0060

(Receipt No)

#### 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |  |
|---------------------------------|--|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |
| 기타(Others)                      |  |  |

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

#### 1.3 등록모델 (Registered Models)

| 구 분                    | 그 데 며 미     | 저 겨                                    | 기본모델과의 차이   | 처      |
|------------------------|-------------|--|---|--------|
| 十 正                    | 모 델 명 및     | ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;; |   |        |
| (Class)                | (Model / Ra | ting)                                  | (Difference between model and series m                                |        |
| 기본모델<br>(Basic model)  | S802S-C32   | 415 V~, 50 kA, 32 A, 2P                |   |        |
| 파생모델<br>(Series model) | S802S-C20   |  | identical to basic model for rated current                            | except |
|                        | S802S-C25   |  | identical to basic model for rated current                            | except |
|                        | S802S-B20   |  | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-B25   |  | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-B32   |  | identical to basic model for trip characteristic                      | except |
|                        | S802S-D20   |  | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-D25   |  | identical to basic model<br>for rated current, trip<br>characteristic | except |

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| 안전인증번호:<br>(Certificate No) | HW05025-15007A | 접수번호: 20150925 - 0060<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S802S-D32      | identical to basic model except<br>for trip characteristic  |
|                             | S802S-K20      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S802S-K25      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S802S-K32      | identical to basic model except<br>for trip characteristic  |
|                             | S802N-C20      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S802N-C25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S802N-C32      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S802N-B20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B32      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S802N-D20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D32      | identical to basic model except for interrupting current(36kA), trip characteristic                         |

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안전인증번호: HW05025-15007A

(Certificate No)

접수번호: 20150925 - 0060

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                                  |
|-------------------|-----------|-------------------------------------|--|---------------------------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)                       |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | v vi                                  |
|                   |           |                                     |  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | , , ,                                 |
| Moving            | 00        | Conner plated with eilyer           |  | HID.                                  |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | ~                                     |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | 4,                                    |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | , 1<br>, 1                            |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | e divi                                |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                                       |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative<br>Plastics             | <del></del>                           |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                                       |
|                   |           |                                     |  |                                       |

### コー H Technical Document

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안전인증번호: HW05025-15007A

(Certificate No)

접수번호: 20150925 - 0060

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Doto) | 발급현황(Status of issues)          |    |
|-------------|---------------------------------|----|
| 일자(Date)    | 변경내용(Modification of Contents)  |    |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) | į. |
| 2010/02/16  |                                 |    |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0061

# 전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15008A

(Certificate No.)

제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명:

Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명:

배선용차단기

(Product)

000

기본모델명:

S802S-C63

(Basic Model)

정격:

415 V~, 50 kA, 63 A, 2P

(Rating)

파생모델명 (Series Model):

| S802N-B40 | S802N-B50 |
|-----------|-----------|
| S802N-B63 | S802N-C40 |
| S802N-C50 | S802N-C63 |
| S802N-D40 | S802N-D50 |
| S802N-D63 | S802S-B40 |
| S802S-B50 | S802S-B63 |
| S802S-C40 | S802S-C50 |
| S802S-D40 | S802S-D50 |
| S802S-D63 | S802S-K40 |
| S802S-K50 | S802S-K63 |
|           |           |

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연고 Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)



page: 1 / 4

안전인증번호: HW05025-15008A

(Certificate No)

접수번호: 20150925 - 0061

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | The second of practice controlled on the togget controll and motal terminate.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    |                  | 저 겨                     | 기본모델과의 차이   | 저 !!!. |
|------------------------|------------------|-------------------------|---|--------|
| 7 2                    | 모 델 명 및 정 격      |                         |   |        |
| (Class)                | (Model / Rating) |                         | (Difference between basic model and series model)                     |        |
| 기본모델<br>(Basic model)  | S802S-C63        | 415 V~, 50 kA, 63 A, 2P |   | 1, 3   |
| 파생모델<br>(Series model) | S802S-C40        |                         | identical to basic model for rated current                            | except |
|                        | S802S-C50        |                         | identical to basic model for rated current                            | except |
|                        | S802S-B40        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-B50        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-B63        |                         | identical to basic model<br>for trip characteristic                   | except |
|                        | S802S-D40        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S802S-D50        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |

page: 2 / 4

| 안전인증번호:<br>(Certificate No) | HW05025-15008A | 접수번호: 20150925 - 0061<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S802S-D63      | identical to basic model except<br>for trip characteristic  |
|                             | S802S-K40      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S802S-K50      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S802S-K63      | identical to basic model except<br>for trip characteristic  |
|                             | S802N-C40      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S802N-C50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S802N-C63      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S802N-B40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B63      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S802N-D40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D63      | identical to basic model except for interrupting current(36kA), trip characteristic                         |

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안전인증번호: HW05025-15008A

(Certificate No)

접수번호: 20150925 - 0061

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                                    |
|-------------------|-----------|-------------------------------------|--|---|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)                         |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 8 = 10 0                                |
|                   |           |                                     |  | 8 4 7                                   |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | , 1                                     |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |   |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |   |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 3 An .<br>3 An .<br>1 An .<br>2 An .    |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | . 1, 1,                                 |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative<br>Plastics             |   |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | , , , , , , , , , , , , , , , , , , ,   |

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안전인증번호: HW05025-15008A

(Certificate No)

접수번호: 20150925 - 0061

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Doto) | 발급현황(Status of issues)          |
|-------------|---------------------------------|
| 일자(Date)    | 변경내용(Modification of Contents)  |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) |
| 2010/02/10  |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0062

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15009A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product)

기본모델명: S802S-C100

(Basic Model)

정격: 415 V~, 50 kA, 100 A, 2P

(Rating)

파생모델명 (Series Model):

\$802N-B100 \$802N-B80 \$802N-C100 \$802N-C80

\$802N-D100 \$802N-D80 \$802S-B100 \$802S-B80

 \$802S-B100
 \$802S-B80

 \$802S-C80
 \$802S-D100

 \$802S-D80
 \$802S-K100

S802S-K80

80 S802S-K100

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연

Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)



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안전인증번호: HW05025-15009A

(Certificate No)

접수번호: 20150925 - 0062

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)<br>It is an automatically operated electrical switch designed to protect an electrical<br>circuit from damage caused by overload or short circuit. |  |  |
|---------------------------------|--|--|--|
| 용도<br>(Normal use)              |  |  |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |  |
| 기타(Others)                      |  |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                   | 모 델 명 및 정 격      |                            | 기본모델과의 차이점   |
|-----------------------|------------------|----------------------------|--|
| (Class)               | (Model / Rating) |                            | (Difference between basic model and series model)                            |
| 기본모델<br>(Basic model) | S802S-C100       | 415 V~, 50 kA, 100 A<br>2P | ,  |
| 파생모델<br>Series model) | S802S-C80        |                            | identical to basic model except<br>for rated current                         |
|                       | S802S-B80        |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
|                       | S802S-B100       |                            | identical to basic model except<br>for trip characteristic                   |
|                       | S802S-D80        |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
|                       | S802S-D100       |                            | identical to basic model except<br>for trip characteristic                   |
|                       | S802S-K80        |                            | identical to basic model except<br>for rated current, trip<br>characteristic |
|                       | S802S-K100       |                            | identical to basic model except<br>for trip characteristic                   |

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| 안전인증번호:<br>(Certificate No) |            | 접수번호: 20150925 - 0062<br>(Receipt No)   |
|-----------------------------|------------|---|
|                             | S802N-C80  | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S802N-C100 | identical to basic model except for interrupting current(36kA)  |
|                             | S802N-B80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-B100 | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |
|                             | S802N-D80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S802N-D100 | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15009A

(Certificate No)

접수번호: 20150925 - 0062

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격             |
|-------------------|-----------|-------------------------------------|--|------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)  |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | ·                |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | . (P.,           |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                  |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |                  |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | A Messinia sulps |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 11.00            |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                  |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | s, C*            |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | ,                |

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안전인증번호: HW05025-15009A

(Certificate No)

접수번호: 20150925 - 0062

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |
| 2010/02/10 |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0063

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15010A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

제조공장의 주소: Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명: 배선용차단기

(Product)

)

기본모델명:

S802S-C125

(Basic Model)

415 V~, 50 kA, 125 A, 2P

정**격:** (Rating)

파생모델명 (Series Model):

S802N-B125

S802N-C125

S802N-D125

S802S-B125

S802S-D125

S802S-K125

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15010A

(Certificate No)

접수번호: 20150925 - 0063

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |  |
|---------------------------------|--|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |
| 기타(Others)                      |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격      |                             | 기본모델과의 차이점   |
|------------------------|------------------|-----------------------------|--|
| (Class)                | (Model / Rating) |                             | (Difference between basic model and series model)  |
| 기본모델<br>(Basic model)  | S802S-C125       | 415 V~, 50 kA, 125 A,<br>2P | The state of the s |
| 파생모델<br>(Series model) | S802S-B125       |                             | identical to basic model except<br>for trip characteristic   |
|                        | S802S-D125       |                             | identical to basic model except<br>for trip characteristic   |
|                        | S802S-K125       |                             | identical to basic model except<br>for trip characteristic   |
|                        | S802N-B125       |                             | identical to basic model except for interrupting current(36kA), trip characteristic  |
|                        | S802N-C125       |                             | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic  |
|                        | S802N-D125       |                             | identical to basic model except for interrupting current(36kA), trip characteristic  |

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안전인증번호: HW05025-15010A

(Certificate No)

접수번호: 20150925 - 0063

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격            |
|-------------------|-----------|-------------------------------------|--|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification) |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 1               |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                 |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |                 |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |                 |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | a sasse         |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                 |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                |                 |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                 |

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안전인증번호: HW05025-15010A

(Certificate No)

접수번호: 20150925 - 0063

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Data) | 발급현황(Status of issues)          |
|-------------|---------------------------------|
| 일자(Date)    | 변경내용(Modification of Contents)  |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) |

### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0064

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15011A

(Certificate No.)

제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명:

Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명:

배선용차단기

(Product) 기본모델명:

S803S-C16

(Basic Model)

415 V~, 50 kA, 16 A, 3P

정격: (Rating)

파생모델명 (Series Model):

S803N-B10 S803N-B16 S803N-C13 S803N-D10 S803N-D16

S803N-B13 S803N-C10 S803N-C16 S803N-D13

S803S-B13 S803S-B6 S803S-C10 S803S-C6

S803S-B10 S803S-B16 S803S-B8 S803S-C13 S803S-C8

S803S-D10

이면기재 적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며. 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

- 2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)
- 3. 전기용품 안전인증의 변경 현황 (Revisions Status)

The state of the s

S8039

S803S-D13

S803S-D6 S803S-K10

S803S-K16

S803S-K8

S803S-D16

S803S-D8

S803S-K13

S803S-K6

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안전인증번호: HW05025-15011A

(Certificate No)

접수번호: 20150925 - 0064

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |  |
|---------------------------------|--|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |
| 기타(Others)                      |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격 기본모델과의 차이점 |                         |   | 1점     |
|------------------------|------------------------|-------------------------|---|--------|
| (Class)                | (Model / Rating)       |                         | (Difference between model and series                                  | basic  |
| 기본모델<br>(Basic model)  | S803S-C16              | 415 V~, 50 kA, 16 A, 3P |   |        |
| 파생모델<br>(Series model) | S803S-C6               |                         | identical to basic mode for rated current                             | except |
|                        | S803S-C8               |                         | identical to basic mode for rated current                             | except |
|                        | S803S-C10              |                         | identical to basic mode for rated current                             | except |
|                        | S803S-C13              |                         | identical to basic mode<br>for rated current                          | except |
|                        | S803S-B6               |                         | identical to basic mode<br>for rated current, trip<br>characteristic  | except |
|                        | S803S-B8               |                         | identical to basic model<br>for rated current, trip<br>characteristic | 1.4    |
|                        | S803S-B10              |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |

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| 안전인증번호:<br>(Certificate No) | HW05025-15011A | 접수번호: 20150925<br>(Receipt No)   | 5 - 0064 |
|-----------------------------|----------------|--|----------|
|                             | S803S-B13      | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-B16      | identical to basic model<br>for trip characteristic                    | except   |
|                             | S803S-D6       | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-D8       | identical to basic model<br>for rated current, trip<br>characteristic  |          |
|                             | S803S-D10      | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-D13      | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-D16      | identical to basic model<br>for trip characteristic                    | except   |
|                             | S803S-K6       | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-K8       | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-K10      | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-K13      | identical to basic model<br>for rated current, trip<br>characteristic  | except   |
|                             | S803S-K16      | identical to basic model<br>for trip characteristic                    | except   |
|                             | S803N-C10      | identical to basic model<br>for interrupting current(<br>rated current |          |
|                             | S803N-C13      | identical to basic model<br>for interrupting current(<br>rated current |          |

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| 안전인증번호:<br>(Certificate No) | HW05025-15011A | 접수번호: 20150925 - 0064<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S803N-C16      | identical to basic model except for interrupting current(36kA)  |
|                             | S803N-B10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-B13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-B16      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S803N-D10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-D13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-D16      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15011A

(Certificate No)

접수번호: 20150925 - 0064

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                                    |
|-------------------|-----------|-------------------------------------|--|---|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)                         |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |   |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | A SAN<br>SAN<br>SAN SAN                 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | 2_                                      |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | J**-                                    |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | i også                                  |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | 1                                       |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative<br>Plastics             | w trita                                 |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | r <sup>†</sup> e <sup>3</sup> e<br>∕e   |

### IJ 문 서 Technical Document

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안전인증번호: HW05025-15011A

(Certificate No)

접수번호: 20150925 - 0064

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |
|            |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때, 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no.. Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0065

# 전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15012A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

(Pactory Address) **제품명:** 배선용차단기

(Product)

메근 6 시 단기

기본모델명:

S803S-C32

(Basic Model)

정격: 415 V~, 50 kA, 32 A, 3P

(Rating)

파생모델명 (Series Model):

| S803N-B20 | S803N-B25 |
|-----------|-----------|
| S803N-B32 | S803N-C20 |
| S803N-C25 | S803N-C32 |
| S803N-D20 | S803N-D25 |
| S803N-D32 | S803S-B20 |
| S803S-B25 | S803S-B32 |
| S803S-C20 | S803S-C25 |
| S803S-D20 | S803S-D25 |
| S803S-D32 | S803S-K20 |
| S803S-K25 | S803S-K32 |

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연

Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15012A

(Certificate No)

접수번호: 20150925 - 0065

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    |                  | 모 델 명 및 정 격             | 기본모델과의 차이   | 점      |
|------------------------|------------------|-------------------------|---|--------|
| (Class)                | (Model / Rating) |                         | (Difference between model and series m                                |        |
| 기본모델<br>(Basic model)  | S803S-C32        | 415 V~, 50 kA, 32 A, 3P |   |        |
| 파생모델<br>(Series model) | S803S-C20        |                         | identical to basic model for rated current                            | except |
|                        | S803S-C25        |                         | identical to basic model for rated current                            | except |
|                        | S803S-B20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S803S-B25        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S803S-B32        |                         | identical to basic model<br>for trip characteristic                   | except |
|                        | S803S-D20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S803S-D25        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |



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| 안전인증번호:<br>(Certificate No) | HW05025-15012A | 접수번호: 20150925 - 0065<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S803S-D32      | identical to basic model except for trip characteristic   |
|                             | S803S-K20      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S803S-K25      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S803S-K32      | identical to basic model except for trip characteristic   |
|                             | S803N-C20      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S803N-C25      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S803N-C32      | identical to basic model except for interrupting current(36kA)  |
|                             | S803N-B20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-B25      | identical to basic model except for interrupting current(36kA), rated current, trip characteristic          |
|                             | S803N-B32      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S803N-D20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-D25      | identical to basic model except for interrupting current(36kA), rated current, trip characteristic          |
|                             | S803N-D32      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15012A

(Certificate No)

접수번호: 20150925 - 0065

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

|     | 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                                  |
|-----|-------------------|-----------|-------------------------------------|--|---------------------------------------|
|     | (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)                       |
|     | Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                                       |
|     | Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                                       |
| - 1 | Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                                       |
|     | Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | ₩<br>1.,                              |
|     | Magnetic Coil     | 05        | High temperature enamel coated wire | -  | , <u>\$</u> 1                         |
|     | Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 2 X                                   |
|     | Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | , 1,                                  |
|     | Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|     | Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                                       |

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안전인증번호: HW05025-15012A

(Certificate No)

접수번호: 20150925 - 0065

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |  |
|------------|---------------------------------|--|
| ≥ Ar(Date) | 변경내용(Modification of Contents)  |  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |  |
|            |                                 |  |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부. 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0066

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15013A

(Certificate No.)

제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명:

Frank Wentzler

(President) 제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제품명:

(Factory Address)

(Product)

배선용차단기

기본모델명:

S803S-C63

(Basic Model)

정격:

415 V~, 50 kA, 63 A, 3P

(Rating)

파생모델명 (Series Model):

S803N-B40 S803N-B50 S803N-B63 S803N-C40 S803N-C50 S803N-C63 S803N-D40 S803N-D50 S803N-D63 S803S-B40 S803S-B50 S803S-B63 S803S-C40 S803S-C50 S803S-D40 S803S-D50 S803S-D63 S803S-K40 S803S-K50 S803S-K63

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15013A (Certificate No)

접수번호: 20150925 - 0066

(Receipt No)

1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

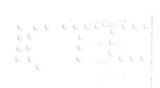
인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                   | 卫  | 델 명 및 정 격               | 기본모델과의 차이   | 점      |
|-----------------------|--|-------------------------|---|--------|
| (Class)               | (Model / Rating)   |                         | (Difference between model and series m                                |        |
| 기본모델<br>(Basic model) | S803S-C63  | 415 V~, 50 kA, 63 A, 3P |   |        |
| 파생모델<br>Series model) | S803S-C40  |                         | identical to basic model for rated current                            | except |
|                       | S803S-C50  |                         | identical to basic model for rated current                            | except |
|                       | S803S-B40  |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                       | T are now a construction of the construction o |                         |   |        |
|                       | S803S-B50  |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                       | S803S-B63  |                         | identical to basic model<br>for trip characteristic                   | except |
|                       | S803S-040  |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                       | S803S-050  |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |



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| 안전인증번호:<br>(Certificate No) | HW05025-15013A | 접수번호: 20150925 - 0066<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S803S-D63      | identical to basic model except<br>for trip characteristic  |
|                             | S803S-K40      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
| ×                           | S803S-K50      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S803S-K63      | identical to basic model except<br>for trip characteristic  |
|                             | S803N-C40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S803N-C50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S803N-C63      | identical to basic model except<br>for interrupting current(36kA)   |
|                             | S803N-B40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-B50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-B63      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S803N-D40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-D50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S803N-D63      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15013A

(Certificate No)

접수번호: 20150925 - 0066

(Receipt No)

### 2.안전관리 부품 및 재질목록(List of Critical Components)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격  |
|-------------------|-----------|-------------------------------------|--|---|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)   |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 1 18 .1   |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |   |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | 20 € 70a.   |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |   |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |   |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 1 (1991)<br>1871 - 1                                    |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | 9 4   |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | g g a significati<br>en significati<br>en signification |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | ,   |

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안전인증번호: HW05025-15013A

(Certificate No)

접수번호: 20150925 - 0066

(Receipt No)

### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |     |
|------------|---------------------------------|-----|
|            | 변경내용(Modification of Contents)  | 1.7 |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |     |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4. Paragraph 1. Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0067

# 전 기 용 품 안 전 인 증 서 Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15014A

(Certificate No.)

ABB Switzerland Ltd Low Voltage Products

제조업자명: (Manufacturer)

Frank Wentzler

대표자명: (President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

배선용차단기

제품명: (Product)

기본모델명: S803S-C100

(Basic Model)

정격:

415 V~, 50 kA, 100 A, 3P

(Rating)

### 파생모델명 (Series Model):

S803N-B100 S803N-C100 S803N-D100 S803S-B100

S803N-B80 S803N-C80

S803N-D80 S803S-B80

S803S-C80 S803S-D80

S803S-D100 S803S-K100

S803S-K80

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act



2016 년 2 **월** 12 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15014A

(Certificate No)

접수번호: 20150925 - 0067 (Receipt No)

1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

| 구 분                    |  | 모 델 명 및 정 격                 | 기본모델과의 차이   | 점      |
|------------------------|--|-----------------------------|---|--------|
| (Class)                | (Model / Rating) (Difference between I model and series m |                             |   |        |
| 기본모델<br>(Basic model)  | S803S-C100   | 415 V~, 50 kA, 100 A,<br>3P |   |        |
| 파생모델<br>(Series model) | S803S-C80  |                             | identical to basic model for rated current                            | except |
|                        | S803S-B80  |                             | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S803S-B100   |                             | identical to basic model<br>for trip characteristic                   | except |
|                        | S803S-D80  |                             | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S803S-D100   |                             | identical to basic model<br>for trip characteristic                   | except |
|                        | S803S-K80  |                             | identical to basic model<br>for rated current, trip<br>characteristic |        |
|                        | S803S-K100   |                             | identical to basic model<br>for trip characteristic                   | except |

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| 안전인증번호:<br>(Certificate No) | HW05025-15014A | 접수번호: 20150925 - 0067<br>(Receipt No)  |
|-----------------------------|----------------|--|
|                             | S803N-C80      | identical to basic model except<br>for interrupting current, rated<br>current (36kA)                         |
| ,                           | S803N-C100     | identical to basic model except<br>for interrupting current (36kA)   |
|                             | S803N-B80      | identical to basic model except<br>for interrupting current, rated<br>current, trip characteristic<br>(36kA) |
|                             | S803N-B100     | identical to basic model except<br>for interrupting current, trip<br>characteristic (36kA)                   |
|                             | S803N-D80      | identical to basic model except<br>for interrupting current, rated<br>current, trip characteristic<br>(36kA) |
|                             | S803N-D100     | identical to basic model except<br>for interrupting current, trip<br>characteristic (36kA)                   |

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안전인증번호: HW05025-15014A

(Certificate No)

접수번호: 20150925 - 0067

(Receipt No)

| 부품명               | 번호        | 특성                                  | 제조자                                      | 인증규격            |
|-------------------|-----------|-------------------------------------|--|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification) |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 1               |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) |                 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | - 154 F         |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | y 4 1 s.        |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 4 P 8           |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              |                 |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                 |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative<br>Plastics             | gt =            |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | - <del></del> - |

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안전인증번호: HW05025-15014A

(Certificate No)

접수번호: 20150925 - 0067

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2016/02/12 | 기본+파생모델등록(Basic + Series Model) |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때. 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0068

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15015A

(Certificate No.)

ABB Switzerland Ltd Low Voltage Products

제조업자명: (Manufacturer)

Frank Wentzler

대표자명: (President)

제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address) 제품명:

배선용차단기

(Product)

기본모델명:

S803S-C125

(Basic Model)

정격:

415 V~, 50 kA, 125 A, 3P

(Rating)

파생모델명 (Series Model):

S803N-B125

S803N-C125

S803N-D125

S803S-B125

S803S-D125

S803S-K125

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연: Korea Testing Certification

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15015A

(Certificate No)

접수번호: 20150925 - 0068

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | in the state of practice discissary on our toggio on ton and motal torminato.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 모 델 명 및 정 격      |   | 기본모델과의 차이점 (연)   |
|------------------|---|--|
| (Model / Rating) |   | (Difference between basic model and series model)  |
| S803S-C125       | 415 V~, 50 kA, 125 A,<br>3P   |  |
| S803S-B125       |   | identical to basic model except for trip characteristic  |
| S803S-D125       |   | identical to basic model except for trip characteristic  |
| S803S-K125       |   | identical to basic model except for trip characteristic  |
| S803N-B125       |   | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic              |
| S803N-C125       |   | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic              |
| T                |   | 1 K(*(-1))   |
| S803N-D125       |   | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic              |
|                  | (Model / Ra<br>\$803\$-C125<br>\$803\$-B125<br>\$803\$-D125<br>\$803\$-K125<br>\$803\$-B125 | (Model / Rating)  S803S-C125  415 V~, 50 kA, 125 A, 3P  S803S-B125  S803S-D125  S803S-K125  S803N-B125 |

page: 2 / 3

안전인증번호: HW05025-15015A

(Certificate No)

접수번호: 20150925 - 0068

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격            |
|-------------------|-----------|-------------------------------------|--|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification) |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                 |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | 1               |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | m               |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | *               |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |                 |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              |                 |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | * 1<br>2        |
| Lever             | 80        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | ,               |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | 2".             |

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안전인증번호: HW05025-15015A

(Certificate No)

접수번호: 20150925 - 0068

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)                        | 발급현황(Status of issues)         |  |
|---------------------------------|--------------------------------|--|
| ≥ ∧ (Uate)                      | 변경내용(Modification of Contents) |  |
| 기본+파생모델등록(Basic + Series Model) |                                |  |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no.. Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0069

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15016A

(Certificate No.)

ABB Switzerland Ltd Low Voltage Products

제조업자명: (Manufacturer)

대표자명: Frank Wentzler

(President)

제조공장의 주소: (Factory Address)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제품명:

배선용차단기

(Product)

S804S-C16

(Basic Model)

기본모델명:

정격:

415 V~, 50 kA, 16 A, 4P

(Rating)

파생모델명 (Series Model):

S804N-B10 S804N-B13 S804N-B16 S804N-C10 S804N-C13 S804N-C16 S804N-D10 S804N-D13 S804N-D16 S804S-B10 S804S-B13 S804S-B16 S804S-B6 S804S-B8 S804S-C10 S804S-C13 S804S-C6 S804S-C8 S804S-D10 이면기재

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 **월** 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연. Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며. 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

S804S-D13 S804S-D6 S804S-K10 S804S-K16 S804S-K8

S804S-D16 S804S-D8 S804S-K13 S804S-K6

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안전인증번호: HW05025-15016A

(Certificate No)

접수번호: 20150925 - 0069 (Receipt No)

1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |  |  |
|---------------------------------|--|--|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |  |
| 기타(Others)                      |  |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격      |                   | 기본모델과의 차이  | ) 점      |
|------------------------|------------------|-------------------|--|----------|
| (Class)                | (Model / Rating) |                   | (Difference betweer model and series                                 |          |
| 기본모델<br>(Basic model)  | S804S-C16 415 V~ | , 50 kA, 16 A, 4P |  |          |
| 파생모델<br>(Series model) | S804S-C6         |                   | identical to basic mode for rated current                            | I except |
|                        | S804S-C8         |                   | identical to basic mode for rated current                            | l except |
|                        | S804S-C10        |                   | identical to basic mode for rated current                            | l except |
|                        | S804S-C13        |                   | identical to basic mode for rated current                            | l except |
|                        | S804S-B6         |                   | identical to basic mode<br>for rated current, trip<br>characteristic | l except |
|                        | S804S-B8         |                   | identical to basic mode<br>for rated current, trip<br>characteristic | except   |
|                        | S804S-B10        |                   | identical to basic mode<br>for rated current, trip<br>characteristic | except   |

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| 안전인증번호:<br>(Certificate No) | HW05025-15016A | 접수번호: 20150925 - 0069<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S804S-B13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-B16      | identical to basic model except for trip characteristic                             |
|                             | S804S-D6       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-D8       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-D10      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-D13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-D16      | identical to basic model except for trip characteristic                             |
|                             | S804S-K6       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-K8       | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-K10      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-K13      | identical to basic model except<br>for rated current, trip<br>characteristic        |
|                             | S804S-K16      | identical to basic model except<br>for trip characteristic                          |
|                             | S804N-C10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |
|                             | S804N-C13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current |

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| 안전인증번호:<br>(Certificate No) | HW05025-15016A | 접수번호: 20150925 - 0069<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S804N-C16      | identical to basic model except for interrupting current(36kA)  |
|                             | S804N-B10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B16      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S804N-D10      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D13      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D16      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15016A

(Certificate No)

접수번호: 20150925 - 0069

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                                  |
|-------------------|-----------|-------------------------------------|--|---------------------------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)                       |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 1 Va                                  |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                                       |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | 4 9 ° .<br>V                          |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |                                       |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              |                                       |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                                       |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                | å låg<br>r                            |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | , s. 5.<br>3                          |

#### IJ H Technical Document

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안전인증번호: HW05025-15016A

(Certificate No)

접수번호: 20150925 - 0069

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| OLTI (Doto) | 발급현황(Status of issues)          |
|-------------|---------------------------------|
| 일자(Date)    | 변경내용(Modification of Contents)  |
| 2016/02/18  | 기본+파생모델등록(Basic + Series Model) |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4. Paragraph 1. Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0070

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15017A

(Certificate No.)

ABB Switzerland Ltd Low Voltage Products

제조업자명: (Manufacturer)

대표자명:

Frank Wentzler

(President)

제조공장의 주소: (Factory Address)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제품명:

배선용차단기

(Product) 기본모델명:

S804S-C32

(Basic Model)

415 V~, 50 kA, 32 A, 4P

정격: (Rating)

파생모델명 (Series Model):

| S804N-B20 | S804N-B25 |
|-----------|-----------|
| S804N-B32 | S804N-C20 |
| S804N-C25 | S804N-C32 |
| S804N-D20 | S804N-D25 |
| S804N-D32 | S804S-B20 |
| S804S-B25 | S804S-B32 |
| S804S-C20 | S804S-C25 |
| S804S-D20 | S804S-D25 |
| S804S-D32 | S804S-K20 |
| S804S-K25 | S804S-K32 |

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15017A

(Certificate No)

접수번호: 20150925 - 0070

(Receipt No)

#### 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델              | ! 명 및 정 격               | 기본모델과의 차이   | 점      |
|------------------------|------------------|-------------------------|---|--------|
| (Class)                | (Model / Rating) |                         | (Difference between basic model and series model)                     |        |
| 기본모델<br>(Basic model)  | S804S-C32        | 415 V~, 50 kA, 32 A, 4P |   |        |
| 파생모델<br>(Series model) | S804S-C20        |                         | identical to basic model for rated current                            | except |
|                        | S804S-C25        |                         | identical to basic model for rated current                            | except |
|                        | S804S-B20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S804S-B25        |                         | identical to basic model<br>for rated current, trip<br>characteristic |        |
|                        | S804S-B32        |                         | identical to basic model for trip characteristic                      | except |
|                        | S804S-D20        |                         | identical to basic model<br>for rated current, trip<br>characteristic | except |
|                        | S804S-D25        |                         | identical to basic model for rated current, trip characteristic       | except |

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| 안전인증번호:<br>(Certificate No) | HW05025-15017A | 접수번호: 20150925 - 0070<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S804S-D32      | identical to basic model except for trip characteristic   |
|                             | S804S-K20      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S804S-K25      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S804S-K32      | identical to basic model except for trip characteristic   |
|                             | S804N-C20      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S804N-C25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S804N-C32      | identical to basic model except for interrupting current(36kA)  |
|                             | S804N-B20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B32      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S804N-D20      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D25      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D32      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15017A

(Certificate No)

접수번호: 20150925 - 0070

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격   |
|-------------------|-----------|-------------------------------------|--|--|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)  |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       | 14.<br>14.   |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | n tina n   |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |  |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | Marina<br>Marina<br>Marina   |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  |  |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | The state of the s |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |  |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                |  |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | 5 × 1  |
|                   |           |                                     |  | , 6 v  |

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안전인증번호: HW05025-15017A

(Certificate No)

접수번호: 20150925 - 0070

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
| = Ar(Date) | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |
| 2010/02/10 |                                 |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소됨 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no.. Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0071

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15018A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

)

제조공장의 주소: (Factory Address)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제품명:

배선용차단기

(Product) 기본모델명:

S804S-C63

(Basic Model)

del)

정격:

415 V~, 50 kA, 63 A, 4P

(Rating)

파생모델명 (Series Model):

| S804N-B40 | S804N-B50 |
|-----------|-----------|
| S804N-B63 | S804N-C40 |
| S804N-C50 | S804N-C63 |
| S804N-D40 | S804N-D50 |
| S804N-D63 | S804S-B40 |
| S804S-B50 | S804S-B63 |
| S804S-C40 | S804S-C50 |
| S804S-D40 | S804S-D50 |
| S804S-D63 | S804S-K40 |
| S804S-K50 | S804S-K63 |

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연구 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15018A

(Certificate No)

접수번호: 20150925 - 0071 (Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및 정 격                       | 기본모델과의 차이점   |
|------------------------|-----------------------------------|--|
| (Class)                | (Model / Rating)                  | (Difference between basic model and series model)                            |
| 기본모델<br>(Basic model)  | S804S-C63 415 V~, 50 kA, 63 A, 4F | D  |
| 파생모델<br>(Series model) | S804S-C40                         | identical to basic model except for rated current                            |
|                        | S804S-C50                         | identical to basic model except for rated current                            |
|                        | S804S-B40                         | identical to basic model except<br>for rated current, trip<br>characteristic |
|                        | S804S-B50                         | identical to basic model except<br>for rated current, trip<br>characteristic |
|                        | S804S-B63                         | identical to basic model except<br>for trip characteristic                   |
|                        | S804S-D40                         | identical to basic model except<br>for rated current, trip<br>characteristic |
|                        | S804S-D50                         | identical to basic model except<br>for rated current, trip<br>characteristic |



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| 안전인증번호:<br>(Certificate No) | HW05025-15018A | 접수번호: 20150925 - 0071<br>(Receipt No)   |
|-----------------------------|----------------|---|
|                             | S804S-D63      | identical to basic model except for trip characteristic   |
|                             | S804S-K40      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S804S-K50      | identical to basic model except<br>for rated current, trip<br>characteristic                                |
|                             | S804S-K63      | identical to basic model except for trip characteristic   |
|                             | S804N-C40      | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S804N-C50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current                         |
|                             | S804N-C63      | identical to basic model except for interrupting current(36kA)  |
|                             | S804N-B40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B63      | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S804N-D40      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D50      | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D63      | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15018A

(Certificate No)

접수번호: 20150925 - 0071

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격               |
|-------------------|-----------|-------------------------------------|--|--------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)    |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                    |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | , 18 - 10.         |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             | 70 0<br>174 a      |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | 0 x<br>0<br>1<br>1 |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 7.1<br>7.1         |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              |                    |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       | =                  |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                |                    |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | - ,                |

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안전인증번호: HW05025-15018A

(Certificate No)

접수번호: 20150925 - 0071

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          | -1        |
|------------|---------------------------------|-----------|
| ≥ ∧r(bate) | 변경내용(Modification of Contents)  | 10° × 10° |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) | × 0 1 0   |
| 2010/02/10 |                                 |           |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no.. Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0072

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호:

HW05025-15019A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

대표자명: Frank Wentzler

(President)

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

제조공장의 주소: (Factory Address)

제품명: 배선용차단기

(Product)

기본모델명:

S804S-C100

(Basic Model) 정격:

415 V~, 50 kA, 100 A, 4P

(Rating)

파생모델명 (Series Model):

S804N-B100

S804N-B80

S804N-C100

S804N-C80

S804N-D100

S804N-D80

S804S-B100

S804S-B80

30043-D10C

S804S-D100

S804S-C80

S804S-D100 S804S-K100

S804S-D80

S804S-K80

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.



2016 년 2 월 18 <mark>일</mark> (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15019A

(Certificate No)

접수번호: 20150925 - 0072

(Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |  |  |
|---------------------------------|--|--|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |  |  |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |  |  |
| 외부구조<br>(External construction) | It consists of plastic enclosure, on-off toggle switch and metal terminals.  |  |  |
| 기타(Others)                      |  |  |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.
  (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

|                        |                  |                             |   | 1 100 1000 100 |
|------------------------|------------------|-----------------------------|---|----------------|
| 구 분                    | 모 델 명 및 정 격      |                             | 기본모델과의 차이   | 점              |
| (Class)                | (Model / Rating) |                             | (Difference between model and series m                                |                |
| 기본모델<br>(Basic model)  | S804S-C100       | 415 V~, 50 kA, 100 A,<br>4P |   |                |
| 파생모델<br>(Series model) | S804S-C80        |                             | identical to basic model for rated current                            | except         |
|                        | S804S-B80        |                             | identical to basic model<br>for rated current, trip<br>characteristic | except         |
|                        | S804S-B100       |                             | identical to basic model for trip characteristic                      | except         |
|                        | S804S-D80        |                             | identical to basic model<br>for rated current, trip<br>characteristic | except         |
|                        | S804S-D100       |                             | identical to basic model<br>for trip characteristic                   | except         |
|                        | S804S-K80        |                             | identical to basic model<br>for rated current, trip<br>characteristic |                |
|                        | S804S-K100       |                             | identical to basic model for trip characteristic                      | except         |

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| 안전인증번호:<br>(Certificate No) |            | 접수번호: 20150925 - 0072<br>(Receipt No)   |
|-----------------------------|------------|---|
|                             | S804N-C80  | identical to basic model except for interrupting current(36kA), rated current                               |
|                             | S804N-C100 | identical to basic model except for interrupting current(36kA)  |
|                             | S804N-B80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-B100 | identical to basic model except for interrupting current(36kA), trip characteristic                         |
|                             | S804N-D80  | identical to basic model except<br>for interrupting current(36kA),<br>rated current, trip<br>characteristic |
|                             | S804N-D100 | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic                   |

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안전인증번호: HW05025-15019A

(Certificate No)

접수번호: 20150925 - 0072

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격                   |
|-------------------|-----------|-------------------------------------|--|------------------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification)        |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                        |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | a thai                 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                        |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             | 2<br>2<br>2<br>3       |
| Magnetic Coil     | 05        | High temperature enamel coated wire | -  | 4                      |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 전함<br>전 변환 경기 및<br>기 개 |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                        |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                |                        |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       | ,                      |

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안전인증번호: HW05025-15019A

(Certificate No)

접수번호: 20150925 - 0072

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |  |
|------------|---------------------------------|--|
|            | 변경내용(Modification of Contents)  |  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |  |
| 2010/02/10 |                                 |  |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8-of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):





접수번호: 20150925-0073

# 전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

아저인증번호:

HW05025-15020A

(Certificate No.) 제조업자명:

ABB Switzerland Ltd Low Voltage Products

(Manufacturer)

Frank Wentzler

대표자명: (President)

제조공장의 주소:

Fulachstrasse 150, 8201 SCHAFFHAUSEN SWITZERLAND

(Factory Address)

제품명: (Product) 배선용차단기

기본모델명:

S804S-C125

(Basic Model) 정격:

415 V~, 50 kA, 125 A, 4P

(Rating)

파생모델명 (Series Model):

S804N-B125

S804N-C125

S804N-D125

S804S-B125

S804S-D125

S804S-K125

적용기준: K 60947-1(2011-12) KC 60947-2(2015-07)

(Standard)

「전기용품안전 관리법 시행규칙」제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다. We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act



2016 년 2 월 18 일 (Year) (Month) (Day)

# 한국기계전기전자시험연 Korea Testing Certification



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며. 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증 · 허가 등을 받아야 합니다

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)

2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)

3. 전기용품 안전인증의 변경 현황 (Revisions Status)

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안전인증번호: HW05025-15020A

(Certificate No)

접수번호: 20150925 - 0073 (Receipt No)

- 1.기본모델·파생모델의 내용(General Descriptions of Certified Products)
- 1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

| 구분(Section)                     | 내 용 (Description)  |
|---------------------------------|--|
| 용도<br>(Normal use)              | It is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit. |
| 내부구조<br>(Internal construction) | It consists of the moving contact, fixed contact, arc chamber and magnetic coil.   |
| 외부구조<br>(External construction) |  |
| 기타(Others)                      |  |

- 1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다. (Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)
- 1.3 등록모델 (Registered Models)

| 구 분                    | 모 델 명 및     | ! 정 격                       | 기본모델과의 차이점  |
|------------------------|-------------|-----------------------------|---|
| (Class)                | (Model / Ra | ating)                      | (Difference between basic model and series model)   |
| 기본모델<br>(Basic model)  | S804S-C125  | 415 V~, 50 kA, 125 A,<br>4P | * 1   |
| 파생모델<br>(Series model) | S804S-B125  |                             | identical to basic model except for trip characteristic                                   |
|                        | S804S-D125  |                             | identical to basic model except<br>for trip characteristic                                |
|                        | S804S-K125  |                             | identical to basic model except<br>for trip characteristic                                |
|                        | S804N-B125  |                             | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic |
|                        | S804N-C125  |                             | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic |
|                        | S804N-D125  |                             | identical to basic model except<br>for interrupting current(36kA),<br>trip characteristic |
|                        |             |                             |   |

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안전인증번호: HW05025-15020A

(Certificate No)

접수번호: 20150925 - 0073

(Receipt No)

| 부품명               | 번호        | 특 성                                 | 제조자                                      | 인증규격            |
|-------------------|-----------|-------------------------------------|--|-----------------|
| (Components)      | (Part No) | (Technical Data)                    | (Manufacturer)                           | (Certification) |
| Cover             | 01        | Housing Cover, A3UG5 (PA66)         | BASF SE (Ultramid)                       |                 |
| Cover             | 02        | Housing Cover, A60G1V30             | Rhodia Engineering<br>Plastics (Technyl) | 1 8.1<br>1 4.81 |
| Moving<br>Contact | 03        | Copper plated with silver           | Ami DODUCO<br>GmbHUmicore AG             |                 |
| Fixed Contact     | 04        | Steel with copper coatingAg/G3      | Ami DODUCO<br>GmbHUmicore AG             |                 |
| Magnetic Coil     | 05        | High temperature enamel coated wire | _  | 4               |
| Switch            | 06        | Toggle switch, A700G25H (PA66)      | Polyone Corp.<br>(Bergamid)              | 34              |
| Lever             | 07        | Beat lever, A3WG7                   | BASF AG (Ultramid)                       |                 |
| Lever             | 08        | Latching lever, Ultem 4000 (PA66)   | Sabic Innovative Plastics                |                 |
| Lever             | 09        | Transmission lever, A3X2G7          | BASF SE (Ultramid)                       |                 |

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안전인증번호: HW05025-15020A

(Certificate No)

접수번호: 20150925 - 0073

(Receipt No)

#### 3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2016/02/18 | 기본+파생모델등록(Basic + Series Model) |

#### 4.기타(Carefully Informed Note)

1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
  - (If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전 인증이 중지 또는 취소될 수 있습니다.
  - (If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):