



제16-0846호

# 안 전 인 증 서

## R. STAHL Schaltgeraete

Am bahnhof 30 74638 Waldenburg, GERMANY

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

품 목

Control and Signal Device Module

형식 · 모델 / 용량 · 등급 / 인증번호

형식 · 모델	용량 · 등급	인증번호
8040/11	Max. 690V, Max 23A Ex d e m IIC T6...T4	16-GA4BO-0846

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인 증 조 건

뒷면 인증조건 참조

2016 년 12 월 20 일

한국가스안전공사 사장







# 인 증 조 건

## 1. 제조공장

- "Am bahnhof 30 74638 Waldenburg, Germany" 에 위치한 R. STAHL Schaltgeraete 에서 제조하는 아래 인증범위의 제품에 한함.

## 2. 제품개요

- The Control and Signal Device Module, type 8040/\*\*\*-\*\*\*-\*\*\*, consists of one or several plastic enclosures designed to type of protection Increased Safety "e". It can be equipped with flanges. The enclosures can accommodate control and indicator components as well as terminals for intrinsically safe and non-intrinsically safe circuits. The area designated for intrinsically safe circuits will be marked, e.g. by means of light-blue colour. Connection is by means of Ex-type cable glands. All the installed and attached elements will be tested and certified under separate examination certificates.
- Degree of protection in accordance with IEC 60529  
: IP65 (with flanges) / IP66 (without flanges)

## 3. 인증범위

- 첨부 참조

## 4. 안전한 사용을 위한 조건

- 가. 제품 사용 시 사용설명서를 참고할 것.
- 나. 사용되는 컴포넌트는 방폭인증을 받은 제품으로 사용할 것.
- 다. The temperature class T6, T5 or T4 will be defined during the routine test depending on the self-heating of the components and the ambient temperature.

## 5. 인증(변경)사항

- IECEx PTB 06.0025 Issue No. 1 을 바탕으로 작성되었음.

## 6. 그 밖의 사항

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







## [첨부] 16-GA4BO-0846

(1 of 1)

가. Dimensions of the enclosure:

Type	Length [mm]	Width [mm]	Depth [mm]
8040/11	93	80	72

나. Technical Data:

Rated voltage <sup>1)</sup> up to:	690 V
Rated current <sup>2)</sup> max.:	23 A
Power input for indicator lights max.:	1.5 W
Rated cross section, installations max.:	6 mm <sup>2</sup>
Rated cross section, terminal block / connection terminals max.:	4 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +75 °C
Degree of protection in accordance with IEC 60529	without flanges IP66 with flanges IP65

※ <sup>1), 2)</sup> : Depending on type of terminal and explosion-proof components used.

※ The ratings specified are maximum values, actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards. The composition of the protection symbol will be based on the types of protection of components actually used.

The maximum permissible ambient temperature range can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

다. Nomenclature:

8040	/	*	*	* -*-*-*-*
1		2	3	4

1) type series

2) enclosure height;

72 mm (low cover) = 1

95 mm (high cover) = 2

3) enclosure size

1-fold = 1

2-fold = 2

3-fold = 3

4) additional information without reference to explosion-protection











제16-0847호

# 안 전 인 증 서

## R. STAHL Schaltgeraete

Am bahnhof 30 74638 Waldenburg, GERMANY

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품 목

Control and Signal Device Module

형식 · 모델 / 용량 · 등급 / 인증번호

형식 · 모델	용량 · 등급	인증번호
8040/12	Max. 690V, Max 23A Ex d e m IIC T6...T4	16-GA4BO-0847

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인 증 조 건

뒷면 인증조건 참조

2016 년 12 월 20 일

한국가스안전공사 사장







# 인 증 조 건

## 1. 제조공장

- "Am bahnhof 30 74638 Waldenburg, Germany" 에 위치한 R. STAHL Schaltgeraete 에서 제조하는 아래 인증범위의 제품에 한함.

## 2. 제품개요

- The Control and Signal Device Module, type 8040/\*\*\*-\*\*\*-\*\*\*, consists of one or several plastic enclosures designed to type of protection Increased Safety "e". It can be equipped with flanges. The enclosures can accommodate control and indicator components as well as terminals for intrinsically safe and non-intrinsically safe circuits. The area designated for intrinsically safe circuits will be marked, e.g. by means of light-blue colour. Connection is by means of Ex-type cable glands. All the installed and attached elements will be tested and certified under separate examination certificates.
- Degree of protection in accordance with IEC 60529 : IP65 (with flanges) / IP66 (without flanges)

## 3. 인증범위

- 첨부 참조

## 4. 안전한 사용을 위한 조건

- 가. 제품 사용 시 사용설명서를 참고할 것.
- 나. 사용되는 컴포넌트는 방폭인증을 받은 제품으로 사용할 것.
- 다. The temperature class T6, T5 or T4 will be defined during the routine test depending on the self-heating of the components and the ambient temperature.

## 5. 인증(변경)사항

- IECEx PTB 06.0025 Issue No. 1 을 바탕으로 작성되었음.

## 6. 그 밖의 사항

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







## [첨부] 16-GA4BO-0847

(1 of 1)

가. Dimensions of the enclosure:

Type	Length [mm]	Width [mm]	Depth [mm]
8040/12	139	80	72

나. Technical Data:

Rated voltage <sup>1)</sup> up to:	690 V
Rated current <sup>2)</sup> max.:	23 A
Power input for indicator lights max.:	1.5 W
Rated cross section, installations max.:	6 mm <sup>2</sup>
Rated cross section, terminal block / connection terminals max.:	4 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +75 °C
Degree of protection in accordance with IEC 60529	without flanges IP66 with flanges IP65

※ <sup>1), 2)</sup> : Depending on type of terminal and explosion-proof components used.

※ The ratings specified are maximum values, actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards. The composition of the protection symbol will be based on the types of protection of components actually used.

The maximum permissible ambient temperature range can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

다. Nomenclature:

8040	/	*	*	* -***-***
1		2	3	4

1) type series

2) enclosure height;

72 mm (low cover) = 1

95 mm (high cover) = 2

3) enclosure size

1-fold = 1

2-fold = 2

3-fold = 3

4) additional information without reference to explosion-protection









제16-0848호

# 안 전 인 증 서

## R. STAHL Schaltgeraete

Am bahnhof 30 74638 Waldenburg, GERMANY

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품 목

Control and Signal Device Module

형식 · 모델 / 용량 · 등급 / 인증번호

형식 · 모델	용량 · 등급	인증번호
8040/13	Max. 690V, Max 23A	16-GA4BO-0848
	Ex d e m IIC T6...T4	

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인 증 조 건

뒷면 인증조건 참조

2016 년 12 월 20 일

한국가스안전공사 사장







# 인 증 조 건

## 1. 제조공장

- "Am bahnhof 30 74638 Waldenburg, Germany" 에 위치한 R. STAHL Schaltgeraete 에서 제조하는 아래 인증범위의 제품에 한함.

## 2. 제품개요

- The Control and Signal Device Module, type 8040/\*\*\*-\*\*\*-\*\*\*, consists of one or several plastic enclosures designed to type of protection Increased Safety "e". It can be equipped with flanges. The enclosures can accommodate control and indicator components as well as terminals for intrinsically safe and non-intrinsically safe circuits. The area designated for intrinsically safe circuits will be marked, e.g. by means of light-blue colour. Connection is by means of Ex-type cable glands. All the installed and attached elements will be tested and certified under separate examination certificates.
- Degree of protection in accordance with IEC 60529  
: IP65 (with flanges) / IP66 (without flanges)

## 3. 인증범위

- 첨부 참조

## 4. 안전한 사용을 위한 조건

- 가. 제품 사용 시 사용설명서를 참고할 것.
- 나. 사용되는 컴포넌트는 방폭인증을 받은 제품으로 사용할 것.
- 다. The temperature class T6, T5 or T4 will be defined during the routine test depending on the self-heating of the components and the ambient temperature.

## 5. 인증(변경)사항

- IECEx PTB 06.0025 Issue No. 1 을 바탕으로 작성되었음.

## 6. 그 밖의 사항

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







## [첨부] 16-GA4BO-0848

(1 of 1)

가. Dimensions of the enclosure:

Type	Length [mm]	Width [mm]	Depth [mm]
8040/13	185	80	72

나. Technical Data:

Rated voltage <sup>1)</sup> up to:	690 V
Rated current <sup>2)</sup> max.:	23 A
Power input for indicator lights max.:	1.5 W
Rated cross section, installations max.:	6 mm <sup>2</sup>
Rated cross section, terminal block / connection terminals max.:	4 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +75 °C
Degree of protection in accordance with IEC 60529	without flanges IP66 with flanges IP65

※ <sup>1), 2)</sup> : Depending on type of terminal and explosion-proof components used.

※ The ratings specified are maximum values, actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards. The composition of the protection symbol will be based on the types of protection of components actually used.

The maximum permissible ambient temperature range can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

다. Nomenclature:

8040	/	*	*	* -***-***
1		2	3	4

1) type series

2) enclosure height:

72 mm (low cover) = 1

95 mm (high cover) = 2

3) enclosure size

1-fold = 1

2-fold = 2

3-fold = 3

4) additional information without reference to explosion-protection









제16-0849호

# 안 전 인 증 서

## R. STAHL Schaltgeraete

Am bahnhof 30 74638 Waldenburg, GERMANY

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품 목

Control and Signal Device Module

형식 · 모델 / 용량 · 등급 / 인증번호

형식 · 모델	용량 · 등급	인증번호
8040/22	Max. 690V, Max 23A Ex d e m IIC T6...T4	16-GA4BO-0849

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인 증 조 건

뒷면 인증조건 참조

2016 년 12 월 20 일

한국가스안전공사 사장







# 인 증 조 건

## 1. 제조공장

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## 2. 제품개요

- The Control and Signal Device Module, type 8040/\*\*\*-\*\*\*-\*\*\*, consists of one or several plastic enclosures designed to type of protection Increased Safety "e". It can be equipped with flanges. The enclosures can accommodate control and indicator components as well as terminals for intrinsically safe and non-intrinsically safe circuits. The area designated for intrinsically safe circuits will be marked, e.g. by means of light-blue colour. Connection is by means of Ex-type cable glands. All the installed and attached elements will be tested and certified under separate examination certificates.
- Degree of protection in accordance with IEC 60529 : IP65 (with flanges) / IP66 (without flanges)

## 3. 인증범위

- 첨부 참조

## 4. 안전한 사용을 위한 조건

- 가. 제품 사용 시 사용설명서를 참고할 것.
- 나. 사용되는 컴포넌트는 방폭인증을 받은 제품으로 사용할 것.
- 다. The temperature class T6, T5 or T4 will be defined during the routine test depending on the self-heating of the components and the ambient temperature.

## 5. 인증(변경)사항

- IECEx PTB 06.0025 Issue No. 1 을 바탕으로 작성되었음.

## 6. 그 밖의 사항

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







## [첨부] 16-GA4BO-0849

(1 of 1)

가. Dimensions of the enclosure:

Type	Length [mm]	Width [mm]	Depth [mm]
8040/22	139	80	95

나. Technical Data:

Rated voltage <sup>1)</sup> up to:	690 V
Rated current <sup>2)</sup> max.:	23 A
Power input for indicator lights max.:	1.5 W
Rated cross section, installations max.:	6 mm <sup>2</sup>
Rated cross section, terminal block / connection terminals max.:	4 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +75 °C
Degree of protection in accordance with IEC 60529	without flanges IP66 with flanges IP65

※ 1), 2) : Depending on type of terminal and explosion-proof components used.

※ The ratings specified are maximum values, actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards. The composition of the protection symbol will be based on the types of protection of components actually used.

The maximum permissible ambient temperature range can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

다. Nomenclature:

8040	/	*	*	* -***-***
1		2	3	4

1) type series

2) enclosure height;

72 mm (low cover) = 1

95 mm (high cover) = 2

3) enclosure size

1-fold = 1

2-fold = 2

3-fold = 3

4) additional information without reference to explosion-protection









제16-0850호

# 안 전 인 증 서

## R. STAHL Schaltgeraete

Am bahnhof 30 74638 Waldenburg, GERMANY

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품 목

Control and Signal Device Module

형식 · 모델 / 용량 · 등급 / 인증번호

형식 · 모델	용량 · 등급	인증번호
8040/23	Max. 690V, Max 23A	16-GA4BO-0850
	Ex d e m IIC T6...T4	

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인 증 조 건

뒷면 인증조건 참조

2016 년 12 월 20 일

한국가스안전공사 사장







# 인 증 조 건

## 1. 제조공장

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## 2. 제품개요

- The Control and Signal Device Module, type 8040/\*\*\*-\*\*\*-\*\*\*, consists of one or several plastic enclosures designed to type of protection Increased Safety "e". It can be equipped with flanges. The enclosures can accommodate control and indicator components as well as terminals for intrinsically safe and non-intrinsically safe circuits. The area designated for intrinsically safe circuits will be marked, e.g. by means of light-blue colour. Connection is by means of Ex-type cable glands. All the installed and attached elements will be tested and certified under separate examination certificates.
- Degree of protection in accordance with IEC 60529  
: IP65 (with flanges) / IP66 (without flanges)

## 3. 인증범위

- 첨부 참조

## 4. 안전한 사용을 위한 조건

- 가. 제품 사용 시 사용설명서를 참고할 것.
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## 6. 그 밖의 사항

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







## [첨부] 16-GA4BO-0850

(1 of 1)

가. Dimensions of the enclosure:

Type	Length [mm]	Width [mm]	Depth [mm]
8040/23	185	80	95

나. Technical Data:

Rated voltage <sup>1)</sup> up to:	690 V
Rated current <sup>2)</sup> max.:	23 A
Power input for indicator lights max.:	1.5 W
Rated cross section, installations max.:	6 mm <sup>2</sup>
Rated cross section, terminal block / connection terminals max.:	4 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +75 °C
Degree of protection in accordance with IEC 60529	without flanges IP66 with flanges IP65

※ 1), 2) : Depending on type of terminal and explosion-proof components used.

※ The ratings specified are maximum values, actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards. The composition of the protection symbol will be based on the types of protection of components actually used.

The maximum permissible ambient temperature range can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

다. Nomenclature:

8040	/	*	*	* -***-***
1		2	3	4

1) type series

2) enclosure height:

72 mm (low cover) = 1

95 mm (high cover) = 2

3) enclosure size

1-fold = 1

2-fold = 2

3-fold = 3

4) additional information without reference to explosion-protection



