



(1) **EC-TYPE-EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment and Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

PTB 01 ATEX 1035 U

(4) Component: Actuating and Indicator Light Elements type 800G-F, -M**,
-S*, -S**, -S***, -K**, -P*, -M2 and -N2

(5) Manufacturer: Rockwell Automation / Allen-Bradley

(6) Address: 1201 South Second Street, 53204 Milwaukee WI, USA

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 01-11070.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997

EN 50019:1994

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include the following:

II 2 G EEx e II

Zertifizierungsstelle Explosionsschutz

Braunschweig, October 01, 2001

By order:

Dipl.-Phys. U. Völkel

(13) **SCHEDULE**

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1035 U**

(15) Description of component

Actuating and indicator light elements type 800G-F, -M**, -S*, -S**, -S***, -K**, -P*, -M2 and -N2, predominantly made of polyamide. these elements are fastened by fastening nuts. The actuating and indicator light elements are intended for installation in lids and walls of enclosures from electrical apparatus, protection type Increased Safety "e".

Technical data

Designation	Type	Temperature range of use
Push Button	800G-F	-55 °C to +70 °C
Emergency Stop Operator	800G-MPE	-20 °C to +70 °C
Selector Switch, 2 Positions	800G-SM2, 800G-SM2H	-20 °C to +70 °C
Selector Switch, 3 Positions	800G-SM3 800G-SB3 800G-SR3 800G-SL3	-20 °C to +70 °C
Selector Switch, 3 Positions (mechanical system turned through 90°)	800G-SMH3 800G-SB3H 800G-SR3H	-20 °C to +70 °C
Key Push Button, Key Emergency Stop Operator	800G-K16 800G-K24 800G-K14 800G-MKE	-55 °C to +70 °C
Pilot Light Lens, red	800G-P4	-55 °C to +70 °C
Pilot Light Lens, green	800G-P3	-20 °C to +70 °C
Pilot Light Lens, yellow	800G-P5	-55 °C to +70 °C
Pilot Light Lens, white	800G-P1	-55 °C to +70 °C
Pilot Light Lens, blue	800G-P6	-20 °C to +70 °C
Mushroom Button, black	800G-M2	-55 °C to +70 °C
Hole Plug	800G-N2	-55 °C to +70 °C
Selector Switch for Control Circuit Switch	800G-SC	-20 °C to +70 °C
Selector Switch for Control Circuit Switch (mechanical system turned through 90°)	800G-SCH	-20 °C to +70 °C

Suitable for equipment of group II with a degree of mechanical hazard:	high
Installation in enclosures with wall thickness between:	1 mm to 6 mm
Thread:	M 30 x 1,5
Suitable for through-holes:	$30,5_0^{+0,5}$ mm
Degree of protection:	at least IP 54 acc. to EN 60 529:1991

(16) Test report PTB Ex 01-111070

(17) Special conditions for safe use

None;

Notes for manufacture and operation

If the components are installed in the electrical apparatus, care must be taken that the temperatures at the mounting place are within the temperature range of use.

The type of protection - at least IP 54 according to EN 60 529:1991 – is guaranteed only by compliance with the manufacturer's instructions and proper installation in the enclosure, the enclosure cover and in the electrical apparatus.

(18) Essential health and safety requirements

The tests carried out and their positive results show that the actuating and indicator light elements comply with the requirement of Directive 94/9/EC and of the standards on the cover sheet.

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, October 01, 2001



Dipl.-Phys. Völkel



1. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1035 U

(Translation)

Equipment: Actuating and Indicator Light Elements type 800G-F, -M**, -S*, -S**, -S***, -K**, -P*, -M2 and -N2

Marking:  II 2 G EEx e II


Manufacturer: Rockwell Automation / Allen-Bradley

Address: 1201 South Second Street, WI 53204 Milwaukee, USA

Description of supplements and modifications

The Actuating and Indicator Light Elements type 800G-F, -M**, -S*, -S**, -S***, -K**, -P*, -M2 and -N2 are expanded to additionally include the following types and operating temperature ranges. All Actuating and Indicator Light Elements may also be used in areas in which explosive atmospheres produced by dust/air mixtures may occasionally occur.

The marking will thus change to:

 II 2 G/D EEx e II IP66 resp. IP67

Technical Data

Designation	Type	Operating temperature range (for explosive gas atmospheres only)	Operating temperature range (for explosive dust atmospheres only)
Selector Switch, 2 Positions	800G-SM2, -SM2H	-55 °C to +70 °C	-20 °C to +70 °C
Selector Switch, 3 Positions	800G-SM3, -SB3, -SR3, -SL3	-55 °C to +70 °C	-20 °C to +70 °C
Selector Switch, 3 Positions (mechanical system turned through 90°)	800G-SM3H, -SB3H, -SR3H	-55 °C to +70 °C	-20 °C to +70 °C
Pilot Light Lens, green	800G-P3	-55 °C to +70 °C	-20 °C to +70 °C
Pilot Light Lens, blue	800G-P6	-55 °C to +70 °C	-20 °C to +70 °C

Braunschweig und Berlin

1. SUPPLEMENT TO EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1035 U

Pilot Light Lens, red	800G-P4	-55 °C to +70 °C	-20 °C to +70 °C
Pilot Light Lens, yellow	800G-P5	-55 °C to +70 °C	-20 °C to +70 °C
Pilot Light Lens, white	800G-P1	-55 °C to +70 °C	-20 °C to +70 °C
Selector Switch for Control Circuit Switch	800G-SC	-55 °C to +70 °C	-20 °C to +70 °C
Selector Switch for Control Circuit Switch (mechanical system turned through 90°)	800G-SCH	-55 °C to +70 °C	-20 °C to +70 °C
Illuminated actuator, red	800G-LF4	-55 °C to +70 °C	-20 °C to +70 °C
Illuminated actuator, green	800G-LF3	-55 °C to +70 °C	-20 °C to +70 °C
Illuminated actuator, yellow	800G-LF5	-55 °C to +70 °C	-20 °C to +70 °C
Illuminated actuator, white	800G-LF1	-55 °C to +70 °C	-20 °C to +70 °C
Illuminated actuator, blue	800G-LF6	-55 °C to +70 °C	-20 °C to +70 °C

Notes for manufacture and operation

The notes for manufacture and operation shall likewise apply to this 1st supplement.

Test report: PTB Ex 03-13162

Zertifizierungsstelle Explosionsschutz

By order


Dr.-Ing. U. Klausmeyer
Regierungsdirektor



Braunschweig, January 06, 2004