

**UK Type Examination Certificate CML 21UKEX11047X Issue 0****United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Audible and visual signalling devices, type YL60 + FL60 + YA60**
- 3 Manufacturer **R. STAHL Schaltgeräte GmbH**
- 4 Address **Am Bahnhof 30,  
Waldenburg,  
74638,  
Germany**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
EN IEC 60079-0:2018      EN 60079-1:2014      EN 60079-31:2014

- 10 The equipment shall be marked with the following:



Refer to attached certificate EPS 20 ATEX 1 077 X, Issue 0 for specific marking of explosion protection symbols.

Refer to attached certificate EPS 20 ATEX 1 077 X, Issue 0 for marked code and ambient temperature range.





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## 11 Description

The signalling devices YL60, YA60 and FL60 are made of aluminium and glass dome with nonmetallic covers and protection grid. The enclosure is explosion-protected electrical equipment in types of protection "flameproof enclosure" ("d") and "dust protection by enclosure" ("tb"). They are used in hazardous location of Zones 1 and 2 and Zones 21 and 22.

These signalling devices provide audible and visual alarm signals for alarming in hazardous location. IP protection is IP66.

Electrical data:

Type	YL60/2	
Signalling	Audible/ visual (xenon flashlight or LEDs)	
Supply voltage	12 ... 24 V DC (LED version 21.1 ... 24 V DC)	
Average input wattage	≤ 20 W	
Temperature class	T6	T4
Max. surface temperature (tb)	T 80 °C	T 100 °C
Ambient temperature range (db)	-45°C ... +50 °C <sup>1)</sup>	-45°C ... +70 °C <sup>2)</sup>
Ambient temperature range (tb)	-35°C ... +50 °C <sup>1)</sup>	-35°C ... +70 °C <sup>2)</sup>

1) In/Out wiring up to 10 A

2) For In/Out wiring up to 10 A, supply cable and cable gland must be suitable for service ≥ 90 °C.

Type	YA60/2	
Signalling	Audible	
Supply voltage	12 ... 24 V DC	
Average input wattage	≤ 12 W	
Temperature class	T6	T4
Max. surface temperature (tb)	T 80 °C	T 100 °C
Ambient temperature range (db)	-45°C ... +50 °C <sup>1)</sup>	-45°C ... +70 °C <sup>2)</sup>
Ambient temperature range (tb)	-35°C ... +50 °C <sup>1)</sup>	-35°C ... +70 °C <sup>2)</sup>

1) In/Out wiring up to 10 A

2) For In/Out wiring up to 10 A, supply cable and cable gland must be suitable for service ≥ 90 °C.



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Type	FL60/2	
Signalling	Visual (xenon flash or LED)	
Input voltage	12 ... 24 V DC (LED version 21.1 ... 24 V DC)	
Average input wattage	≤ 9 W	
Temperature class	T6	T4
Max. surface temperature (tb)	T 80 °C	T 100 °C
Ambient temperature range (db)	-45°C ... +50 °C <sup>1)</sup>	-45°C ... +70 °C <sup>2)</sup>
Ambient temperature range (tb)	-35°C ... +50 °C <sup>1)</sup>	-35°C ... +70 °C <sup>2)</sup>

1) In/Out wiring up to 10 A

2) For In/Out wiring up to 10 A, supply cable and cable gland must be suitable for service ≥ 90 °C.

All types	Control inputs
Input voltage	12 ... 24 V DC
Input wattage	≤ 20 mW
Input current	≤ 1 mA

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	01 Sept 2021	R14545C/00	Issue of the prime certificate. EPS 20 ATEX 1 077 X, Issue 0 is attached and shall be referred to in conjunction with this certificate.

Note: Drawings that describe the equipment are listed or referred to in the Annex.

## 13 Conditions of Manufacture

For conditions of manufacture, refer to attached certificate EPS 20 ATEX 1 077 X, Issue 0.

Any routine tests/verifications required by the ATEX certification shall be conducted.

## 14 Specific Conditions of Use

For specific conditions of use, refer to attached certificate EPS 20 ATEX 1 077 X, Issue 0.

## Certificate Annex

**Certificate Number** CML 21UKEX11047X  
**Equipment** Audible and visual signalling devices, type YL60 + FL60  
+ YA60  
**Manufacturer** R. STAHL Schaltgeräte GmbH



The following documents describe the equipment defined in this certificate:

### Issue 0

For drawings describing the equipment, refer to attached certificate EPS 20 ATEX 1 077 X. In addition to the drawings listed on EPS 20 ATEX 1 077 X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
YL60 0 000 027 0	1 of 1	00	01 Sept 2021	Example for marking YL60/2, YA60/2, FL60/2