**R.K. Instruments & Controls**

TECHNICAL DATASHEET

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# Siemens QRA53.E27 UV Flame Detector

Brand: Siemens | Code/Part No.: BPZ:QRA53.E27 | Category: UV FLAME DETECTORS

## Specifications

| | |
|---|---|
| Type | **QRA53.E27** |
| Product Code | **BPZ:QRA53.E27** |
| Supply Voltage | **AC 220...240V, 50/60Hz** |
| Detection Principle | **UV Phototube (Normal Sensitivity)** |
| Detector Tube Length | **125 mm** |
| Housing | **Die-cast aluminium, bracket-mounted, 1" mounting coupling** |
| Protection | **IP54 (IP65 with AGG06 glass holder)** |
| Operating Mode | **Continuous** |
| Ambient Temperature | **-20°C to +60°C** |
| Max Chamber Pressure | **500 mbar (with AGG02/AGG03)** |
| Nominal UV Cell Life | **~10,000 hours at 50°C** |
| Weight | **~0.6 kg** |
| Compatible Controls | **LGK16..., LGI16... series (continuous operation)** |




## Description

The Siemens QRA53.E27 is a continuous-operation UV flame detector designed for supervising gas flames, yellow- or blue-burning oil flames, and ignition spark proving on larger industrial burners. Its die-cast aluminium housing carries a 125 mm detector tube with a quartz-glass window and bayonet-fit 1" mounting coupling, fixed to the burner via a mounting bracket, with a removable Pg cable gland for the AGM19 connecting cable. Rated IP54 (IP65 with the optional AGG06 glass holder) for ambient temperatures of -20°C to +60°C and up to 500 mbar combustion chamber pressure with the AGG02/AGG03 accessory, it runs on AC 220-240V and offers a nominal UV cell life of around 10,000 hours at 50°C. Made in Germany by Siemens, it is designed for continuous-operation burner controls such as the LGK16 and LGI16 series.

*Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.*