R.K. Instruments & Controls

TECHNICAL DATASHEET

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Siemens QRA50M UV Flame Detector

Brand: Siemens | Code/Part No.: BPZ:QRA50M | Category: UV FLAME DETECTORS

Specifications

Type	**QRA50M**
Product Code	**BPZ:QRA50M**
Series	**Serie 02**
Frequency	**50-60Hz**
Detection Principle	**UV Phototube (Self-Checking), 190-240 nm**
Self-Check Mechanism	**Internal rotating shutter, ~3 interruptions/sec**
Housing	**Die-cast aluminium, flange-mounted (2-stud)**
Protection	**IP54**
Operating Mode	**Continuous**
Ambient Temperature	**-20°C to +60°C**
Replacement UV Cell	**4 502 4268 0**
Compatible Controls	**Siemens LFE50 burner controller**
Status	**Legacy model (discontinued by Siemens, stocked by RKIC as spare)**



Description

The Siemens QRA50M is a self-checking ultraviolet (UV) flame detector engineered for continuous-operation industrial burners (systems running uninterrupted for more than 24 hours). Its die-cast aluminium housing mounts directly to the burner flange via two studs and uses an internal rotating shutter (roughly 3 interruptions per second) to constantly verify the sensor's own health, with a 190-240 nm UV spectral range. Rated IP54 for ambient temperatures of -20°C to +60°C, it uses the 4 502 4268 0 replacement UV cell for servicing and is designed to pair with the Siemens LFE50 burner controller for supervising gas flames, yellow- or blue-burning oil flames, and ignition spark proving. Made in Germany by Siemens; this Serie 02 unit is a legacy model that Siemens has discontinued, but remains stocked by RKIC as a critical spare part.

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