



Technical data (cont 'd)

Flame supervision with AGQ3... and UV detector QRA...

Mains voltage	AC 230 V +10 % / -15 %
Mains frequency	50...60 Hz ±6 %
Perm. cable length from QRA... to AGQ3... (lay separate cable)	max. 20 m
Perm. cable length from AGQ3... to LME... max.	2 m
Weight of AGQ3...	approx. 140 g
Mounting position	optional
Degree of protection	IP 40, to be ensured through mounting
Power consumption	4.5 VA

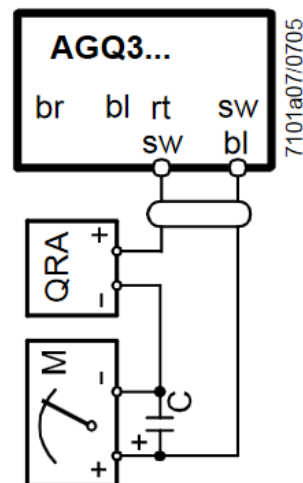
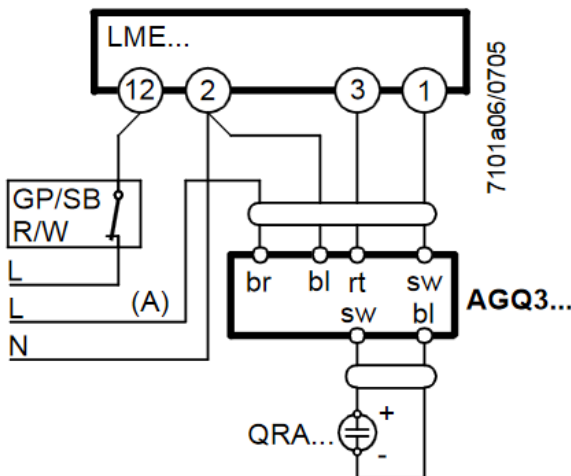
	At mains voltage UN	
	AC 220 V	AC 240 V
Detector voltage at QRA... (with no load)		
Terminal 3 off (refer to control sequence)	DC 400 V	DC 400 V
Terminal 3 on (refer to control sequence)	DC 300 V	DC 300 V
Detector voltage Load by DC measuring instrument Ri > 10 MΩ		
Terminal 3 off (refer to control sequence)	DC 380 V	DC 380 V
Terminal 3 on (refer to control sequence)	DC 280 V	DC 280 V
DC current detector signals with UV detector QRA...		
Measurement at the UV detector QRA...	Min. required 200 µA	Max. possible 500 µA

Ancillary unit AGQ3... In connection with LME... burner controls, use of UV ancillary unit AGQ3... is mandatory.

(A) Correct functioning of aged UV cells can be checked as UV test with a higher supply voltage across the UV cell after controlled shutdown until terminal 3 on.

Connection diagram

Measuring circuit for measuring the UV detector current



Measurement made at the UV detector QRA.

Legend

- C Electrolytic capacitor 100...470 µF; DC 10...25 V
- M Microammeter Ri max. 5,000 Ω
- QRA... UV detector
- GP Gas pressure switch
- SB Safety limit thermostat
- R Control thermostat or pressurestat
- W Limit thermostat or pressure switch

- bl Blue
- br Brown
- gr Grey
- rt Red
- sw Black