



Type Examination Certificate

No. C5AUK 022629 0077 Rev. 01

Holder of Certificate: **Karl Dungs GmbH & Co. KG**
Karl-Dungs-Platz 1
73660 Urbach
GERMANY

Product: **Fittings (Gas)**
Automatic Burner Control System

MPA41xx

The Approved Body of TUV SUD BAPT Unlimited confirms according to the Gas Appliances (Enforcement) and Miscellaneous Amendment Regulations, UKSI 2018:389 (as amended by UKSI 2019:696), that in the conformity assessment procedure in accordance with Article 14 the listed product has been assessed in a type examination (module B - production type) and complies with the relevant provisions according to Annex I on appliances burning gaseous fuels. It refers only to the sample submitted for testing and certification and on its technical documentation. See also notes overleaf.

Test report no.: C-F 1725-02/25

Valid until: 2034-09-02

Date, 2025-03-18

(Johannes Steiglechner)



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Model(s):
MPA 4112 V2.0
MPA 4114 V2.0
MPA 4122 V2.0
MPA 4112 V2.0 PF
MPA 4114 V2.0 PF
MPA 4122 V2.0 PF

Parameters:

Electrical supply data 230 V AC, 50/60 Hz
 115 V AC, 50/60 Hz (optional)
 Safety time 3 / 1 seconds (other values configurable)

Models **MPA4112 V2.0**, **MPA4114 V2.0** and **MPA4122 V2.0** are suitable for flame detection and control of gas burners with permanent operation or with non-permanent operation.

Models **MPA4112 V2.0 PF**, **MPA4114 V2.0 PF** and **MPA4122 V2.0 PF** are suitable for flame detection and control of gas burners in pulse firing systems and of gas burners with flameless operation above 750°C for non-permanent operation.

The following flame sensors / flame detector devices can be used:

Operation mode	Manufacturer	Flame sensors / Flame detector devices + Extension modules	Sensed flame
Permanent operation (models MPA41xx V2.0)	Dungs	FLW 411 + EM2/x	Ionisation current
	usual in trade	Ionisation probe	Ionisation current
	Dungs	UV41, UV41HE, UV42 + EM2/x + UV4x-EM1/1	UV (185–260 nm)
Non-permanent operation (models MPA41xx V2.0 and MPA41xx V2.0 PF)	Dungs	FLW 411	Ionisation current
	usual in trade	Ionisation probe	Ionisation current
	Dungs	UV41, UV41HE, UV42	UV (185–260 nm)
	BST	KLC10.., KLC1000.. FLW20UV..	UV (185–260 nm)
	BST	KLC2002.. / FLW10IR..	IR+VIS flicker (380–1150 nm)
	BST	KLC20/230	IR+VIS flicker (350–1150 nm)

The automatic burner control system can be used with the following extension modules: MPA-EM2/4, MPA-EM2/5, MPA-EM2/6, MPA-EM2/8 and MPA-EM2/9.

The conditions mentioned in annex E of test report no. C-F 1725-00/24 shall be considered.

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Approved Body according to Regulation (EU) 2016/426 and the Gas Appliances (Enforcement) and Miscellaneous Amendments Regulations 2018 with identification No. 0168.



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Depending on the hardware configuration the automatic burner control system is capable to conform to the requirements of DIN EN 61508:2011-02, parts 1–3, for safety functions with safety integrity levels **SIL 2** resp. level **SIL 3**.

The automatic burner control system also conforms to the requirements of DIN EN 13577-2: 2024-09 (industrial thermoprocessing equipment).

Tested according to:

- DIN EN 298:2024**
- DIN EN 13611:2022**
- DIN EN 50156-2:2016**
- DIN EN 61508-1:2011**
- DIN EN 61508-2:2011**
- DIN EN 61508-3:2011**