

EU-Type Examination Certificate

No. C5A 022629 0022 Rev. 03

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

Product: **Fittings (Gas)**
Multifunctional control

MBC, W-MF

PIN CE-0123CT1179

The Certification Body of TÜV SÜD Product Service GmbH confirms according to Annex III (Module B) that the listed product complies with the relevant provisions according to Annex I of Regulation (EU) 2016/426 on appliances burning gaseous fuels. It refers only to the sample submitted for testing and certification and on its technical documentation. For details see: www.tuvsud.com/ps-cert

Test report no.: V-M 1008-18/25

Valid until: 2028-04-10

Date, 2025-02-17



(Norbert Hörmann)

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Model(s):

MBC-300-VV, MBC-300-SE-S02,
MBC-300-SE-S22, MBC-300-SE-S82,
MBC-300-SE-S302, MBC-300-SLE-S22,
MBC-300-SLE-S82, MBC-300-SLE-S302,
MBC-300-VEF, MBC-300-N,
MBC-300-WND, MBC-300-VV,
MBC-300-SE-S02, MBC-300-SE-S22,
MBC-300-SE-S82, MBC-300-N,
MBC-300-WND, MBC-300-VEF,
MBC-700-VV, MBC-700-SE-S02,
MBC-700-SE-S22, MBC-700-SE-S82,
MBC-700-SE-S302, MBC-700-SLE-S22,
MBC-700-SLE-S82, MBC-700-SLE-S302,
MBC-700-VEF, MBC-700-N,
MBC-700-WND, MBC-1200-SE-S02,
MBC-1200-SE-S22, MBC-1200-SE-S82,
MBC-1200-SE-S302, MBC-1200-SLE-S22,
MBC-1200-SLE-S82, MBC-1200-SLE-S302,
MBC-1200-VEF, MBC-1200-SE-S02,
MBC-1200-SE-S02, MBC-1200-SE-S82,
W-MF-507 C01,
W-MF-SE-507 C01 S22,
W-MF-SE-507 C01 S82,
W-MF-SE-507 C01 S302,
W-MF-SLE-507 C01 S22,
W-MF-SLE-507 C01 S82,
W-MF-SLE-507 C01 S302,
W-MF-VEF 507 C01, W-MF-512 C01,
W-MF-SE-512 C01 S22,
W-MF-SE-512 C01 S82,
W-MF-SE-512 C01 S302,
W-MF-SLE-512 C01 S22,
W-MF-SLE-512 C01 S82,
W-MF-SLE-512 C01 S302,
W-MF-VEF 512 C01, MBC-VV 1000,
MBC-SE 1000...S02, MBC-SE 1000...S22,
MBC-SE 1000...S82, MBC-SE 1000...S302,

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**MBC-SLE 1000...S22, MBC-SLE 1000...S82,
MBC-SLE 1000...S302, MBC-VEF 1000,
MBC-N 1000, MBC-WND 1000,
MBC-VV 2500, MBC-SE 2500...S02,
MBC-SE 2500...S22, MBC-SE 2500...S82,
MBC-SE 2500...S302, MBC-SLE 2500...S22,
MBC-SLE 2500...S82, MBC-SLE 2500...S302,
MBC-VEF 2500, MBC-N 2500,
MBC-WND 2500, MBC-SE 2500...S02,
MBC-SE 2500...S22, MBC-SE 2500...S82,
MBC-SE 4000...S02, MBC-SE 4000...S22,
MBC-SE 4000...S82, MBC-SE 4000...S302,
MBC-SLE 4000...S22, MBC-SLE 4000...S82,
MBC-SLE 4000...S302, MBC-VEF 4000**

Models

nominal width	type designation	alternative designation	alt. DUNGS designation
Rp ½, Rp ¾, Rp1, Rp 1 ¼, (DN15, DN20, DN25, DN32)	MBC-300-VV	W-MF-507 C01	MBC-VV 1000
	MBC-300-SE-S02	—	MBC-SE 1000...S02
	MBC-300-SE-S22	W-MF-SE-507 C01 S22	MBC-SE 1000...S22
	MBC-300-SE-S82	W-MF-SE-507 C01 S82	MBC-SE 1000...S82
	MBC-300-SE-S302	W-MF-SE-507 C01 S302	MBC-SE 1000...S302
	MBC-300-SLE-S22	W-MF-SLE-507 C01 S22	MBC-SLE 1000...S22
	MBC-300-SLE-S82	W-MF-SLE-507 C01 S82	MBC-SLE 1000...S82
	MBC-300-SLE-S302	W-MF-SLE-507 C01 S302	MBC-SLE 1000...S302
	MBC-300-VEF	W-MF-VEF 507 C01	MBC-VEF 1000
	MBC-300-N	—	MBC-N 1000
	MBC-300-WND	—	MBC-WND 1000
	MBC-300-VV	W-MF-507 C01	MBC-VV 1000
	MBC-300-SE-S02	—	MBC-SE 1000...S02
	MBC-300-SE-S22	—	MBC-SE 1000...S22
	MBC-300-SE-S82	W-MF-SE-507 C01 S82	MBC-SE 1000...S82
	MBC-300-N	—	MBC-N 1000
	MBC-300-WND	—	MBC-WND 1000
	MBC-300-VEF	—	—

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TÜV SÜD Product Service GmbH is Notified Body according to Regulation (EU) 2016/426 on appliances burning gaseous fuels with identification No. 0123.

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Rp1, Rp 1 ¼, Rp 1 ½, Rp 2, (DN25, DN32, DN40, DN50)	MBC-700-VV	W-MF-512 C01	MBC-VV 2500
	MBC-700-SE-S02	—	MBC-SE 2500...S02
	MBC-700-SE-S22	W-MF-SE-512 C01 S22	MBC-SE 2500...S22
	MBC-700-SE-S82	W-MF-SE-512 C01 S82	MBC-SE 2500...S82
	MBC-700-SE-S302	W-MF-SE-512 C01 S302	MBC-SE 2500...S302
	MBC-700-SLE-S22	W-MF-SLE-512 C01 S22	MBC-SLE 2500...S22
	MBC-700-SLE-S82	W-MF-SLE-512 C01 S82	MBC-SLE 2500...S82
	MBC-700-SLE-S302	W-MF-SLE-512 C01 S302	MBC-SLE 2500...S302
	MBC-700-VEF	W-MF-VEF 512 C01	MBC-VEF 2500
	MBC-700-N	—	MBC-N 2500
	MBC-700-WND	—	MBC-WND 2500
	MBC-700-VV	W-MF-512 C01	MBC-VV 2500
	MBC-700-SE-S02	—	MBC-SE 2500...S02
	MBC-700-SE-S22	—	MBC-SE 2500...S22
	MBC-700-SE-S82	W-MF-SE-512 C01 S82	MBC-SE 2500...S82
	MBC-700-N	—	MBC-N 2500
	MBC-700-WND	—	MBC-WND 2500
	MBC-700-VEF	—	MBC-VEF 2500
Rp 2, Rp 2 ½ (DN50, DN65)	MBC-1200-SE-S02	—	MBC-SE 4000...S02
	MBC-1200-SE-S22	—	MBC-SE 4000...S22
	MBC-1200-SE-S82	—	MBC-SE 4000...S82
	MBC-1200-SE-S302	—	MBC-SE 4000...S302
	MBC-1200-SLE-S22	—	MBC-SLE 4000...S22
	MBC-1200-SLE-S82	—	MBC-SLE 4000...S82
	MBC-1200-SLE-S302	—	MBC-SLE 4000...S302
	MBC-1200-VEF	—	MBC-VEF 4000
	MBC-1200-SE-S02	—	MBC-SE 4000...S02
	MBC-1200-SE-S02	—	MBC-SE 4000...S02
	MBC-1200-SE-S82	—	MBC-SE 4000...S82
	MBC-1200-SE-S82	—	MBC-SE 4000...S82

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Electrical data:

type designation	solenoid actuator	rated voltage
MBC-300-VV MBC-300-SE-S02 MBC-300-SE-S22 MBC-300-SE-S82 MBC-300-SE-S302 MBC-300-SLE-S22 MBC-300-SLE-S82 MBC-300-SLE-S302 MBC-300-VEF MBC-300-N MBC-300-WND	032/P, 032/2P	AC 230V, AC 110V, AC 120V 50-60 Hz 120 / 15 W
MBC-300-SE-S02 MBC-300-SE-S22 MBC-300-SE-S82	032/P	AC 24 V / 50-60 Hz DC 24 V DC 12 V 120 / 15 W
MBC 300-VEF	032/P	AC 100 V, AC 200 V 120 / 15 W
MBC-700-VV MBC-700-SE-S02 MBC-700-SE-S22 MBC-700-SE-S82 MBC-700-SE-S302 MBC-700-SLE-S22 MBC-700-SLE-S82 MBC-700-SLE-S302 MBC-700-VEF MBC-700-N MBC-700-WND	042/P, 042/2P	AC 230V, AC 110V, AC 120V 50-60Hz 160 / 20 W
MBC-700-VV MBC-700-SE-S02 MBC-700-SE-S22 MBC-700-SE-S82 MBC-700-N MBC-700-WND	042/P	AC 24 V / 50-60 hz DC 24 V DC 12 V 160 / 20 W
MBC-700-VEF	042/P	AC 100 V, AC 200 V
MBC-1200-SE-S02 MBC-1200-SE-S22 MBC-1200-SE-S82 MBC-1200-SE-S302 MBC-1200-SLE-S22 MBC-1200-SLE-S82 MBC-1200-SLE-S302 MBC-1200-VEF	052/P	AC 230V, AC 110V, AC 120V 50-60Hz 200 / 20 W
MBC-1200-SE-S22 MBC-1200-SE-S82 MBC-1200-SE-S302	052/P	DC 24 V 200 / 20 W

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The functions of the models are defined by the following type code:

...-SE-...	adjustable servo pressure regulator (class A),
...-SLE-...	adjustable servo pressure regulator (class A) opening slowly
...-VEF-...	gas/air-ratio control with compensation of the combustion chamber pressure (class A)
...-N-...	zero pressure regulator (class A)
...-SE-S02	zero pressure regulator (class A)
...-WND-...	Whirlwind version with zero pressure regulator (class A)
...-VV	no pressure regulator

The outlet pressure range of the servo and zero pressure regulators is defined as follows:

S02	0 bis ± 1 mbar / 0 bis $\pm 0,1$ kPa
S22:	4 to 20 mbar / 0,4 to 2 kPa
S82:	5 to 80 mbar / 0,5 to 8 kPa
S302:	30 to 300 mbar / 3 to 30 kPa

The technically identical variants MBC-... and W-MF-... only differ in the specification of the maximum inlet pressure:

1. MBC-...:	360 mbar / 36 kPa
2. W-MF-...:	500 mbar / 50 kPa

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Technical data / range of application

gas family:	all gases of 1 st , 2 nd and 3 rd gas family
class:	A (DIN EN 161 and DIN EN 88-1)
group:	2
ambient temperature:	-15°C bis +70°C
degree of protection:	IP 54

Further details

Furthermore, the multifunctional controls fulfil the requirements of ISO 23551-8:2016 together with ISO 23551-1:2012 and ISO 23550:2011 including the specific regional requirements in European countries according to Annex E and the requirements of ISO 23551-2:2018 together with ISO 23550:2018 including the specific regional requirements in European countries according to Annex F.

Tested according to: DIN EN 126:2012
DIN EN 161:2013
DIN EN 88-1:2016
DIN EN 13611:2011