



CERTIFICATE

valid until: 07.08.2032

Type examination (Module B) - production type

Certificate No.: C-IS-TAF-MUC-22-08-2652066-12074246

Name and address of manufacturer: Karl Dungs GmbH & Co. KG
Karl-Dungs-Platz 1
73660 Urbach (GERMANY)

We herewith certify that the production type mentioned below meets the requirements of the Pressure Equipment (Safety) Regulations 2016 as amended.

Certification based on report No.: P-IS-TAF-MUC-C-D 1694-00/22

Scope of certification: pressure sensing devices
type LGW ... A...
as safety accessory

Manufacturing plant: Karl Dungs GmbH & Co. KG
Karl-Dungs-Platz 1
73660 Urbach (GERMANY)

08.08.2022
(Date of issue)

Verification of Certificate by TÜV SÜD App Verify

Approved Body 0168
TUV SUD BABT Unlimited
Octagon House, Concorde Way
Fareham, Hampshire, PO 15 5RL
United Kingdom

Document ID: 2652066Ye0262

TUV SUD BABT Unlimited
Approved Body for pressure equipment


Johannes Steiglechner
Name of certifier

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Details of manufacturer:

Karl Dungs GmbH & Co. KG, Karl-Dungs-Platz 1, 73660 Urbach (GERMANY)



Notes on the certificate

The right to use the symbol depicted in the certificate only applies to the product named in the certificate.

All necessary operating and safety instructions according to Schedule 2, Paragraph 21 and 22. have to be supplied with each product. For transportation purposes, the approved body may allow the holder of the certificate to disassemble the products marked with the symbol in such a way as is usual for product assembly in an installation.

The holder of the certificate is obliged to monitor the fabrication of the products marked with the symbol in order to ensure that production is carried out in accordance with the examination specifications. The holder of the certificate is particularly obliged to carry out monitoring examinations which are laid down in the examination specifications or required by the approved body.

If this certificate expires or is declared invalid it has to be returned to the approved body immediately.

A certificate can be declared invalid or terminated by the approved body, if any flaws appear after the examination which were not detectable or not found during the examination, or if the symbol is used for the purpose of misleading or in any other way illicit advertising, or due to facts which were not clearly detectable at the time of certification, further use of the symbol is not justifiable.

The holder of the certificate is obliged to report any damage to or incurred by certified products to the approved body.

The holder of the certificate is only allowed to pass on examination reports and certificates by using the full text and by stating the date of issue. Publication of excerpts or duplication of the documents requires prior consent by the approved body.

With the certificate holder's consent, the approved body reserves the right to publish a list of certified products for the purpose of consumer information.

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Basis of examination:

Pressure Equipment Safety Regulations, UKSI 2016:1105 (as amended by UKSI 2019:696)

DIN EN 1854:2010-10,

DIN EN 13611:2022-01

The certificate is valid for the following models:

models	setting range	max. operating pressure	PSD-S (class S)
LGW 1,5 A1, LGW 1,5 A1H	0,2...1,5 mbar	10 kPa / 100 mbar	no
LGW 3 A1, LGW 3 A1H	0,4...3 mbar	10 kPa / 100 mbar	no
LGW 10 A1, LGW 10 A1H	1...10 mbar	10 kPa / 100 mbar	no
LGW 50 A1, LGW 50 A1H	2,5...50 mbar	10 kPa / 100 mbar	no
LGW 1,5 A2-7	20 - 150 Pa	10 kPa / 100 mbar	no
LGW 3 A2-7	20 - 300 Pa	10 kPa / 100 mbar	no
LGW 6 A2-7	30 - 600 Pa	10 kPa / 100 mbar	no
LGW 10 A2-7	100 - 1000 Pa	10 kPa / 100 mbar	no
LGW 30 A2-7	200 - 3000 Pa	10 kPa / 100 mbar	no
LGW 3 A2	0,2 - 2,8 mbar	50 kPa / 500 mbar	yes
LGW 3 A2, LGW 3 A2P, LGW 3 A4, LGW 3 A4/2	0,4 - 3 mbar	50 kPa / 500 mbar	yes
LGW 3 A2 SGN	0,4 - 3 mbar	50 kPa / 500 mbar	no
LGW 3 A2 SGV	1 - 3 mbar	50 kPa / 500 mbar	no
LGW 10 A2, LGW 10 A2P, LGW 10 A4, LGW 10 A4/2	1 - 10 mbar	50 kPa / 500 mbar	yes
LGW 10 A2 SGN, LGW 10 A2 SGV, LGW 10 A4 SGV	1 - 10 mbar	50 kPa / 500 mbar	no
LGW 30 A2, LGW 30 A2P	2 - 30 mbar	50 kPa / 500 mbar	yes
LGW 50 A2, LGW 50 A2P, LGW 50 A4, LGW 50 A4/2	2,5 - 50 mbar	50 kPa / 500 mbar	yes
LGW 50 A2 SGN, LGW 50 A2 SGV	2,5 - 50 mbar	50 kPa / 500 mbar	no
LGW 150 A2, LGW 150 A2P, LGW 150 A4, LGW 150 A4/2	30 - 150 mbar	50 kPa / 500 mbar	yes
LGW 150 A2 SGN, LGW 150 A2 SGV, LGW 150 A4 SGV	5 - 150 mbar	50 kPa / 500 mbar	no



Annex 1

for the certificate No. C-IS-TAF-MUC-22-08-2652066-12074246

Further technical data:

gas family	all gases of 1 st , 2 nd and 3 rd gas family
class according to DIN EN 1854	see models
medium	fuel gases of 1 st , 2 nd and 3 rd gas family (only overpressure connection of LGW ... A4...), air and combustion exhaust gases
max. operating pressure	see models
ambient temperature	-15°C to +70°C -15°C to 85°C (models LGW ... A1/A1H, LGW ... A2-7) 0°C to +70°C (models LGW ... SGV)
installation position	any, deviation of switching pressure is given in data sheets

Electrical data:

rated current	AC eff. 10 A AC eff. 2,5 A (LGW 1,5 A1/A1H)
switching current	AC 250 V, 6 A at $\cos \varphi = 1,0$ or 3 A at $\cos \varphi = 0,6$ standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA LGW 1,5 A1/A1H: AC 250 V, 1,5 A at $\cos \varphi = 1,0$ or 0,8 A at $\cos \varphi = 0,6$ standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA
degree of protection	LGW ... A1: IP 00, IP 20, IP 42; LGW ... A1H: IP 42; LGW ... A2/A2-7/A2P, LGW ... A4: IP 54, IP 65; LGW ... A4/2, LGW ... SGN/SGV: IP 65

If necessary, possible hazards resulting from external fire or from traffic, wind and earthquake loading shall be examined separately depending on the installation situation of the pressure equipment.