CERTIFICATE

Issued to:
Applicant:
GEWISS S.p.A.
1 Via Domenico Bosatelli
24069 Cenate Sotto, Italy

Licensee:
GEWISS S.p.A.
1 Via Domenico Bosatelli
24069 Cenate Sotto, Italy

Product	:	Residual current operated circuit-breakers with integral overcurrent protection (RCBOs)
Trade name(s)	:	GEWISS
Type(s)/model(s)	:	MDC100

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:
- a type test according to EN 61009-1:2012, EN 61009-1:2012/A1:2014, EN 61009-1:2012/A2:2014, EN 61009-1:2012/A11:2015, EN 61009-1:2012/A12:2016, EN 61009-2-1:1994, EN 61009-2-1:1994/A11:1998 and EN 61009-1:2012/A13:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2091228

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 8 December 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-168260

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Miranda Zhou
Certification Manager

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Residual current operated circuit-breakers with integral overcurrent protection (RCBOs)
Trade name(s)	:	GEWISS
Type(s)/model(s)	:	MDC100
Rated operational voltage (Ue)	:	230 Vac
Rated impulse withstand voltage (Uimp)	:	4 kV
Rated current (In)	:	6 A, 10 A, 13 A, 16 A, 20 A, 25 A, 32 A
Rated residual current (IΔn)	:	30 mA 100 mA 300 mA
Rated frequency	:	50 Hz
Rated short-circuit capacity (Icn)	:	10 kA
Rated service short-circuit capacity (Ics)	:	7,5 kA
Rated residual making and breaking capacity (IΔm)	:	6 kA
Number of poles	:	1P+N, 2P
Behaviour in presence of d.c. components	:	type A type AC
Time delay	:	type for general use
Method of operation	:	independent of the line voltage
Range of instantaneous tripping current	:	B-type C-type
Safety distance "a" (grid)	:	35 mm
Range of ambient air temperature	:	-25 °C to 40 °C
Energy limiting class	:	3
Reference calibration temperature	:	30 °C
Type of terminal	:	pillar terminal
Type of installation	:	fixed installation
Protection against external influence	:	unenclosed
Method of mounting	:	distribution board
Method of connection	:	not associated with mechanical mounting

TESTS

Test requirements

EN 61009-1:2012
EN 61009-1:2012/A1:2014
EN 61009-1:2012/A2:2014
EN 61009-1:2012/A11:2015
EN 61009-1:2012/A12:2016
EN 61009-2-1:1994
EN 61009-2-1:1994/A11:1998
EN 61009-1:2012/A13:2021

Test result

The test results are documented in DEKRA test file 230382200.

Additional information
This certificate replaces certificate No. 71-112773 which we hereby declare invalid.

Conclusion
The examination has confirmed that all requirements were met.

Factory location
Gewiss Portugal Ind. Mat. Electr. Unip. Lda.
Apartado 129, Zona Industrail . 2a Fase Bustelo
4660-043 Penafiel, Portugal

Code	Poles	Rated current (A)	IΔn (mA)	Type	Curve	Rated voltage (V)
GW95025	2P	6	30	AC	C	230
GW95026	2P	10	30	AC	C	230
GW95027	2P	16	30	AC	C	230
GW95028	2P	20	30	AC	C	230
GW95029	2P	25	30	AC	C	230
GW95030	2P	32	30	AC	C	230
GW95031	2P	13	30	AC	C	230
GW95035	2P	6	300	AC	C	230
GW95036	2P	10	300	AC	C	230
GW95037	2P	16	300	AC	C	230
GW95038	2P	20	300	AC	C	230
GW95039	2P	25	300	AC	C	230
GW95040	2P	32	300	AC	C	230
GW95085	1P+N	6	30	AC	C	230
GW95086	1P+N	10	30	AC	C	230
GW95087	1P+N	16	30	AC	C	230
GW95088	1P+N	20	30	AC	C	230
GW95089	1P+N	25	30	AC	C	230
GW95090	1P+N	32	30	AC	C	230
GW95091	1P+N	13	30	AC	C	230
GW95225	2P	6	30	A	C	230
GW95226	2P	10	30	A	C	230
GW95227	2P	16	30	A	C	230
GW95228	2P	20	30	A	C	230
GW95229	2P	25	30	A	C	230
GW95230	2P	32	30	A	C	230
GW95231	2P	13	30	A	C	230
GW95235	2P	6	300	A	C	230
GW95236	2P	10	300	A	C	230
GW95237	2P	16	300	A	C	230
GW95238	2P	20	300	A	C	230
GW95239	2P	25	300	A	C	230
GW95240	2P	32	300	A	C	230
GW95285	1P+N	6	300	A	C	230
GW95286	1P+N	10	300	A	C	230
GW95287	1P+N	16	300	A	C	230
GW95288	1P+N	20	300	A	C	230
GW95289	1P+N	25	300	A	C	230
GW95290	1P+N	32	300	A	C	230

Code	Poles	Rated current (A)	IΔn (mA)	Type	Curve	Rated voltage (V)
GW95291	1P+N	13	300	A	C	230
GW95325	2P	6	30	A	B	230
GW95326	2P	10	30	A	B	230
GW95327	2P	16	30	A	B	230
GW95328	2P	20	30	A	B	230
GW95329	2P	25	30	A	B	230
GW95330	2P	32	30	A	B	230
GW95331	2P	13	30	A	B	230
GW95335	2P	6	300	A	B	230
GW95336	2P	10	300	A	B	230
GW95337	2P	16	300	A	B	230
GW95338	2P	20	300	A	B	230
GW95339	2P	25	300	A	B	230
GW95340	2P	32	300	A	B	230
GW95385	1P+N	6	300	A	B	230
GW95386	1P+N	10	300	A	B	230
GW95387	1P+N	16	300	A	B	230
GW95388	1P+N	20	300	A	B	230
GW95389	1P+N	25	300	A	B	230
GW95390	1P+N	32	300	A	B	230
GW95391	1P+N	13	300	A	B	230
GW95785	2P	6	100	A	C	230
GW95786	2P	10	100	A	C	230
GW95787	2P	16	100	A	C	230
GW95788	2P	20	100	A	C	230
GW95789	2P	25	100	A	C	230
GW95790	2P	32	100	A	C	230
GW95791	2P	13	100	A	C	230
GW95795	2P	6	100	A	B	230
GW95796	2P	10	100	A	B	230
GW95797	2P	16	100	A	B	230
GW95798	2P	20	100	A	B	230
GW95799	2P	25	100	A	B	230
GW95800	2P	32	100	A	B	230
GW95801	2P	13	100	A	B	230
GW95825	2P	6	30	A (IR)*	C	230
GW95826	2P	10	30	A (IR)*	C	230
GW95827	2P	16	30	A (IR)*	C	230
GW95828	2P	20	30	A (IR)*	C	230
GW95829	2P	25	30	A (IR)*	C	230

Code	Poles	Rated current (A)	IΔn (mA)	Type	Curve	Rated voltage (V)
GW95830	2P	32	30	A (IR)*	C	230
GW95831	2P	13	30	A (IR)*	C	230
GW95835	2P	6	30	A (IR)*	B	230
GW95836	2P	10	30	A (IR)*	B	230
GW95837	2P	16	30	A (IR)*	B	230
GW95838	2P	20	30	A (IR)*	B	230
GW95839	2P	25	30	A (IR)*	B	230
GW95840	2P	32	30	A (IR)*	B	230
GW95841	2P	13	30	A (IR)*	B	230

* “A (IR)” RCBOs are A-type RCBOs having an intentional short-time delay which does not fall into the definition of type S of EN 61009-1.