



TYPE APPROVAL CERTIFICATE

N. ELE063217CS002



THIS is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

Description	Residual current operated circuit-breakers with integral overcurrent protection
Type	MDc 45, MDc 60, MDc 100
Applicant	GEWISS S.p.A. Via A. Volta 1 24069 Cenate Sotto (BG) Italy
Manufacturer	GEWISS PORTUGAL LDA Zona Industrial II – Bustelo 4560-709 Penafiel Portugal
Reference Standards	EN 61009-1 ed. 2; am1, am2 EN 61009-2-1 (ed. 1)

Issued in **Genova** on **13 March 2017**

This certificate is valid until **26 April 2022**

Valerio Bonanni

RINA Services S.p.A.

Valerio Bonanni



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Residual current operated circuit-breakers with integral overcurrent protection (RCBO's)

Main features

Type MDc 45

Number of poles	1P+N (230V) ; 2P ; 3P; 4P (400V)
Rated voltage (V)	230/400V 50 Hz
Rated residual operating current (A)	0,03 - 0,3 A/AC type
Rated current (A)	6A; 10A; 13A; 16A; 20A; 25A; 32A
Rated residual making and breaking capacity (I Δ m) A	4500 A
Rated short circuit capacity (I c_n) A	4500 A
Curve	C
Ambient temperature	45°C

Type MDc 60

Number of poles	1P+N - 2P (230V) ; 3P - 4P (400V)
Rated voltage (V)	230/400V 50 Hz
Rated residual operating current (A)	0,03 - 0,3 A A/AC/ type
Rated current (A)	6A; 10A; 13A; 16A; 20A; 25A; 32A
Rated residual making and breaking capacity (I Δ m) A	4500 A
Rated short circuit capacity (I c_n) A	6000 A
Curve	C
Ambient temperature	45°C

Type MDc 100

Number of poles	2P (110V) ; 2P (230V)
Rated voltage (V)	110/230V 50Hz
Rated residual operating current (A)	0,03 - 0,3 A A/AC/ type
Rated current (A)	6A; 10A; 13A; 16A; 20A; 25A; 32A
Rated residual making and breaking capacity (I Δ m) A	4500 A
Rated short circuit capacity (I c_n) A	10000 A
Curve	C
Ambient temperature	45°C

Reference documents:

Gewiss n. 12647 (31/08/2001)

Globe Communication SpA: n. LVD509-1/00 (14/09/2000)

Globe Communication SpA: n. LVD510-1/00 (28/11/2000)

Gewiss Catalogue: Gewiss Energy – Trade Catalogue

Gewiss doc. n. 100.00095121 (17/11/2006)

TUV Italia : vib. 05/034 rev. 0 (16/03/2005)

IMQ CB test certificates n. IT-8416/M2, (2015/04/29), IT-8415/M2 (2015/04/29), IT-16860 (2016/06/14)

IMQ Approval Certificate n. CA03.00780; CA03.000781; CA03.000782

Remark;

The above listed RCBO should be installed in accommodation spaces and or similar spaces.
Installation and use to be in accordance with the Manufacturer instructions.