



TYPE APPROVAL CERTIFICATE

N. ELE04216CS001

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

<i>Description</i>	Circuit Breakers
<i>Type</i>	MTC
<i>Applicant</i>	GEWISS Via A. Volta 1 24069 Cenate Sotto (BG) Italy
<i>Manufacturer</i>	GEWISS PORTUGAL LDA Zona Industriale II – Bustelo 4560-043 Penafiel Portugal
<i>Reference Standards</i>	EN 60898-1: 2002 + A1:2002+ A2: 2003 EN 60898-2: 2006

Issued in **Genova** on **January 22, 2016**.

This certificate is valid until **January 22, 2021**

RINA Services S.p.A

Valerio Bonanni

Genova, January 22, 2016

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Compact miniature Circuit Breakers with overcurrent protection :

Type MTC 45

Number of poles	2 , 3, 4
Rated voltage (V)	230/400
Rated Current (A)	2, 6, 10, 13, 16, 20, 25, 32
Instantaneous tripping current curve	Type C
Rated short-circuit capacity (Icn)	4500
Rated making and breaking capacity (Icn1)	4500
Ambient temperature (°C)	45

Type MTC 60

Number of poles	2 , 3, 4
Rated voltage (V)	230/400
Rated Current (A)	6, 10, 13, 16, 20, 25, 32
Instantaneous tripping current curve	Type C
Rated short-circuit capacity (Icn)	6000
Rated making and breaking capacity (Icn1)	4500
Ambient temperature (°C)	45

Type MTC 100

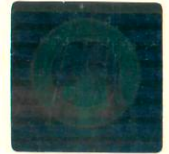
Number of poles	2
Rated voltage (V)	230/400
Rated Current (A)	6, 10, 13, 16, 20, 25, 32
Instantaneous tripping current curve	Type C
Rated short-circuit capacity (Icn)	10000
Rated making and breaking capacity (Icn1)	4500
Ambient temperature (°C)	45

Type MTC 60 compact miniature circuit breaker for AC and DC operation used in 2 switch modules Series connection (4P- 2 modules)

Models	AC Operation				DC Operation			
	In	Un	Icn	Icn1	In	Un	Icn	Icn1
GW90285MA	6A	230Vac	10kA	4.5kA	6A	230Vdc	10kA	4.5kA
GW90286MA	10A	230Vac	10kA	4.5kA	10A	230Vdc	10kA	4.5kA
GW90287MA	16A	230Vac	10kA	4.5kA	16A	230Vdc	10kA	4.5kA

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Reference documents:

IMQ report n. EN957 , EQ820, EN958 (22/10/2007), PB15S0566110-01 rev.1 (18/01/2016)
GEWISS report n. 12647 (31/07/2001)
GLOBE COMMUNICATION SPA report n. LVD509-1/00 (14/09/2000) , LVD510-1/00 (28/11/2000)
GEWISS n. 100.00095121 (17/11/2006)
P & P LMC n. RT-LP-004/06 rev. 00 (12/06/2006)
DEKRA report n. 2188371.01-INC (6/11/2015)
GEWISS Statement :doc. n. IT.002-2016 (19/01/2016)
GEWISS data Sheets: GW90285MA, GW90286MA, GW90287MA (01/2016)

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