

# CERTIFICATE

Issued to:  
Applicant:  
**Gewiss S.p.A.**  
**Via A. Volta 1**  
**24069 Cenate Sotto (BG), Italy**

Product : Residual current operated circuit-breakers with integral overcurrent protection (RCBOs)  
Trade name(s) : GEWISS  
Type(s)/model(s) : MDC60

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

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61009-1:2012, EN 61009-1:2012/A11:2015, EN 61009-1:2012/A12:2016, EN 61009-1:2012/A1:2014, EN 61009-1:2012/A2:2014, EN 61009-2-1:1994 and EN 61009-2-1:1994/A11:1998
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2091228
- the licensee is registered with the number 293733

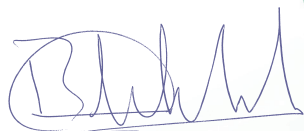
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 17 March 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-112772

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**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)                                                            | : MDC60                                                                                   |
| Rated current (In)                                                          | : 6 A, 10 A, 13 A, 16 A, 20 A, 25 A, 32 A                                                 |
| Rated residual current (I $\Delta$ n)                                       | : 30 mA, 300 mA                                                                           |
| Rated voltage (Un)                                                          | : 230 Vac (1P+N, 2P)<br>400 Vac (3P, 4P)                                                  |
| Rated frequency                                                             | : 50 Hz                                                                                   |
| Rated impulse withstand voltage (Uimp)                                      | : 4 kV                                                                                    |
| Number of poles                                                             | : 1P+N, 2P, 3P, 4P                                                                        |
| Operating characteristics in case of residual currents with d.c. components | : type A                                                                                  |
| Time delay                                                                  | : without time delay                                                                      |
| Range of instantaneous tripping current                                     | : B and C                                                                                 |
| Rated short-circuit capacity (Icn)                                          | : 6 kA                                                                                    |
| Rated service short-circuit capacity (Ics)                                  | : 6 kA                                                                                    |
| Rated residual making and breaking capacity (I $\Delta$ m)                  | : 4,5 kA                                                                                  |
| Energy limiting class                                                       | : 3 (1P+N, 2P)<br>1 (3P, 4P)                                                              |
| Safety distance "a" (grid)                                                  | : 35 mm                                                                                   |
| Ambient temperature                                                         | : -25 °C ... 40 °C                                                                        |
| Method of mounting                                                          | : flush type, for mounting on rail                                                        |
| Degree of protection                                                        | : IP20                                                                                    |

**TESTS****Test requirements**

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

**Test result**

The test results are laid down in DEKRA test file 224413200.

**Additional information**

This certificate replaces certificates 2180482.01 and 2180482.02 issued on 30 July 2015.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Gewiss Portugal Ind. Mat. Electr. Unip. Lda.  
Apartado 129,  
Zona Industrail . 2a Fase  
4560-709 Penafiel, Portugal



| Code    | Curve | Type | Poles | Rated current | I $\Delta$ n | Rated voltage |
|---------|-------|------|-------|---------------|--------------|---------------|
| GW94305 | C     | A    | 1P+N  | 6 A           | 30 mA        | 230 V         |
| GW94306 | C     | A    | 1P+N  | 10 A          | 30 mA        | 230 V         |
| GW94307 | C     | A    | 1P+N  | 16 A          | 30 mA        | 230 V         |
| GW94308 | C     | A    | 1P+N  | 20 A          | 30 mA        | 230 V         |
| GW94309 | C     | A    | 1P+N  | 25 A          | 30 mA        | 230 V         |
| GW94310 | C     | A    | 1P+N  | 32 A          | 30 mA        | 230 V         |
| GW94311 | C     | A    | 1P+N  | 13 A          | 30 mA        | 230 V         |
| GW94315 | C     | A    | 1P+N  | 6 A           | 300 mA       | 230 V         |
| GW94316 | C     | A    | 1P+N  | 10 A          | 300 mA       | 230 V         |
| GW94317 | C     | A    | 1P+N  | 16 A          | 300 mA       | 230 V         |
| GW94318 | C     | A    | 1P+N  | 20 A          | 300 mA       | 230 V         |
| GW94319 | C     | A    | 1P+N  | 25 A          | 300 mA       | 230 V         |
| GW94320 | C     | A    | 1P+N  | 32 A          | 300 mA       | 230 V         |
| GW94345 | C     | A    | 3P    | 6 A           | 30 mA        | 400 V         |
| GW94346 | C     | A    | 3P    | 10 A          | 30 mA        | 400 V         |
| GW94347 | C     | A    | 3P    | 16 A          | 30 mA        | 400 V         |
| GW94348 | C     | A    | 3P    | 20 A          | 30 mA        | 400 V         |
| GW94349 | C     | A    | 3P    | 25 A          | 30 mA        | 400 V         |
| GW94350 | C     | A    | 3P    | 32 A          | 30 mA        | 400 V         |
| GW94351 | C     | A    | 3P    | 13 A          | 30 mA        | 400 V         |
| GW94355 | C     | A    | 3P    | 6 A           | 300 mA       | 400 V         |
| GW94356 | C     | A    | 3P    | 10 A          | 300 mA       | 400 V         |
| GW94357 | C     | A    | 3P    | 16 A          | 300 mA       | 400 V         |
| GW94358 | C     | A    | 3P    | 20 A          | 300 mA       | 400 V         |
| GW94359 | C     | A    | 3P    | 25 A          | 300 mA       | 400 V         |
| GW94360 | C     | A    | 3P    | 32 A          | 300 mA       | 400 V         |
| GW94365 | C     | A    | 4P    | 6 A           | 30 mA        | 400 V         |
| GW94366 | C     | A    | 4P    | 10 A          | 30 mA        | 400 V         |
| GW94367 | C     | A    | 4P    | 16 A          | 30 mA        | 400 V         |
| GW94368 | C     | A    | 4P    | 20 A          | 30 mA        | 400 V         |
| GW94369 | C     | A    | 4P    | 25 A          | 30 mA        | 400 V         |
| GW94370 | C     | A    | 4P    | 32 A          | 30 mA        | 400 V         |
| GW94371 | C     | A    | 4P    | 13 A          | 30 mA        | 400 V         |
| GW94375 | C     | A    | 4P    | 6 A           | 300 mA       | 400 V         |
| GW94376 | C     | A    | 4P    | 10 A          | 300 mA       | 400 V         |
| GW94377 | C     | A    | 4P    | 16 A          | 300 mA       | 400 V         |
| GW94378 | C     | A    | 4P    | 20 A          | 300 mA       | 400 V         |
| GW94379 | C     | A    | 4P    | 25 A          | 300 mA       | 400 V         |
| GW94380 | C     | A    | 4P    | 32 A          | 300 mA       | 400 V         |
| GW95105 | B     | A    | 1P+N  | 6 A           | 30 mA        | 230 V         |
| GW95106 | B     | A    | 1P+N  | 10 A          | 30 mA        | 230 V         |
| GW95107 | B     | A    | 1P+N  | 16 A          | 30 mA        | 230 V         |
| GW95108 | B     | A    | 1P+N  | 20 A          | 30 mA        | 230 V         |
| GW95109 | B     | A    | 1P+N  | 25 A          | 30 mA        | 230 V         |
| GW95110 | B     | A    | 1P+N  | 32 A          | 30 mA        | 230 V         |
| GW95111 | B     | A    | 1P+N  | 13 A          | 30 mA        | 230 V         |
| GW95115 | B     | A    | 1P+N  | 6 A           | 300 mA       | 230 V         |

| Code    | Curve | Type | Poles | Rated current | I $\Delta$ n | Rated voltage |
|---------|-------|------|-------|---------------|--------------|---------------|
| GW95116 | B     | A    | 1P+N  | 10 A          | 300 mA       | 230 V         |
| GW95117 | B     | A    | 1P+N  | 16 A          | 300 mA       | 230 V         |
| GW95118 | B     | A    | 1P+N  | 20 A          | 300 mA       | 230 V         |
| GW95119 | B     | A    | 1P+N  | 25 A          | 300 mA       | 230 V         |
| GW95120 | B     | A    | 1P+N  | 32 A          | 300 mA       | 230 V         |
| GW95125 | B     | A    | 2P    | 6 A           | 30 mA        | 230 V         |
| GW95126 | B     | A    | 2P    | 10 A          | 30 mA        | 230 V         |
| GW95127 | B     | A    | 2P    | 16 A          | 30 mA        | 230 V         |
| GW95128 | B     | A    | 2P    | 20 A          | 30 mA        | 230 V         |
| GW95129 | B     | A    | 2P    | 25 A          | 30 mA        | 230 V         |
| GW95130 | B     | A    | 2P    | 32 A          | 30 mA        | 230 V         |
| GW95131 | B     | A    | 2P    | 13 A          | 30 mA        | 230 V         |
| GW95135 | B     | A    | 2P    | 6 A           | 300 mA       | 230 V         |
| GW95136 | B     | A    | 2P    | 10 A          | 300 mA       | 230 V         |
| GW95137 | B     | A    | 2P    | 16 A          | 300 mA       | 230 V         |
| GW95138 | B     | A    | 2P    | 20 A          | 300 mA       | 230 V         |
| GW95139 | B     | A    | 2P    | 25 A          | 300 mA       | 230 V         |
| GW95140 | B     | A    | 2P    | 32 A          | 300 mA       | 230 V         |
| GW95145 | B     | A    | 3P    | 6 A           | 30 mA        | 400 V         |
| GW95146 | B     | A    | 3P    | 10 A          | 30 mA        | 400 V         |
| GW95147 | B     | A    | 3P    | 16 A          | 30 mA        | 400 V         |
| GW95148 | B     | A    | 3P    | 20 A          | 30 mA        | 400 V         |
| GW95149 | B     | A    | 3P    | 25 A          | 30 mA        | 400 V         |
| GW95150 | B     | A    | 3P    | 32 A          | 30 mA        | 400 V         |
| GW95151 | B     | A    | 3P    | 13 A          | 30 mA        | 400 V         |
| GW95155 | B     | A    | 3P    | 6 A           | 300 mA       | 400 V         |
| GW95156 | B     | A    | 3P    | 10 A          | 300 mA       | 400 V         |
| GW95157 | B     | A    | 3P    | 16 A          | 300 mA       | 400 V         |
| GW95158 | B     | A    | 3P    | 20 A          | 300 mA       | 400 V         |
| GW95159 | B     | A    | 3P    | 25 A          | 300 mA       | 400 V         |
| GW95160 | B     | A    | 3P    | 32 A          | 300 mA       | 400 V         |
| GW95165 | B     | A    | 4P    | 6 A           | 30 mA        | 400 V         |
| GW95166 | B     | A    | 4P    | 10 A          | 30 mA        | 400 V         |
| GW95167 | B     | A    | 4P    | 16 A          | 30 mA        | 400 V         |
| GW95168 | B     | A    | 4P    | 20 A          | 30 mA        | 400 V         |
| GW95169 | B     | A    | 4P    | 25 A          | 30 mA        | 400 V         |
| GW95170 | B     | A    | 4P    | 32 A          | 30 mA        | 400 V         |
| GW95171 | B     | A    | 4P    | 13 A          | 30 mA        | 400 V         |
| GW95175 | B     | A    | 4P    | 6 A           | 300 mA       | 400 V         |
| GW95176 | B     | A    | 4P    | 10 A          | 300 mA       | 400 V         |
| GW95177 | B     | A    | 4P    | 16 A          | 300 mA       | 400 V         |
| GW95178 | B     | A    | 4P    | 20 A          | 300 mA       | 400 V         |
| GW95179 | B     | A    | 4P    | 25 A          | 300 mA       | 400 V         |
| GW95180 | B     | A    | 4P    | 32 A          | 300 mA       | 400 V         |