



M-ARM513

NC. N32-R1

MULTISHOT PROGRAMMABLE SINGLE / THREE-PHASE AUTORECLOSE

79

Single and Three-Phase reclosure

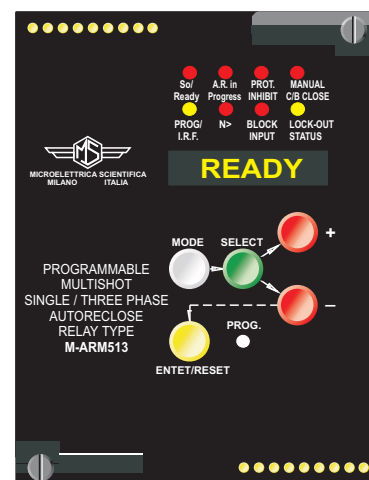
Up to Four-shot programmable autoreclosing cycle

Self powered digital inputs

Serial communication with Modbus Protocol

Event recording

Time tagging



Digital multifunction reclosing relay for transmission and subtransmission lines complete with serial communication and event recording.

The programmable reclosing functions are controlled by means of 11 isolated digital inputs and 5 electromechanical output relays.

Relay features:

- Selectable single and/or three-phase autoreclosing.
- Up to 4 programmable reclosures
- Dead time independently programmable for each shot
- Synchrocheck input
- Programmable protection inhibit

Common Variables Setting

- ShLO : Number of Reclosure Shots to Lock-out	: (1 - 4)
- P.I.Sh : Activation of Protection Inhibit output (R4) after shot n°..	: (1 - 4)
- tON : Duration of the close pulse to the C/B	: (0.01 - 9.99)s, step 0.01s
- tBL : Reset time delay from the Lock-out Status	: (1 - 6000)s, step 1s
- tS : Advance time of the Synchrocheck permissive signal before the reclose command	: (0.01 - 99.99)s, step 0.01s
- tD : Fault discrimination time	: (0 - 9.00)s, step 0.01s
- Skip : Skip of next reclosure shot on activation of the input 1 - 33	: (ON - OFF)
- N> : Maximum number of reclosing operation	: (0 - 9999), step 1s
- tN : Reclaim time started after any reclose command	: (1.0 - 600)s, step 0.1s
- tA : Aquisition time of input signals	: (1 - 500)ms, step 1ms

First Shot

- Reclose mode single and/or three phase : **1R = 1 Pole - 3 Pole - 1/3 Pole**
- Dead Time : **1t = (0.05 - 600)s, step 0.01s**

**First Shot**

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Second Shot

- Reclose mode single and/or three phase : **1 Pole - 3 Pole - 1/3 Pole**
- Dead Time : **t2 = (0.05 - 600)s, step 0.01s**

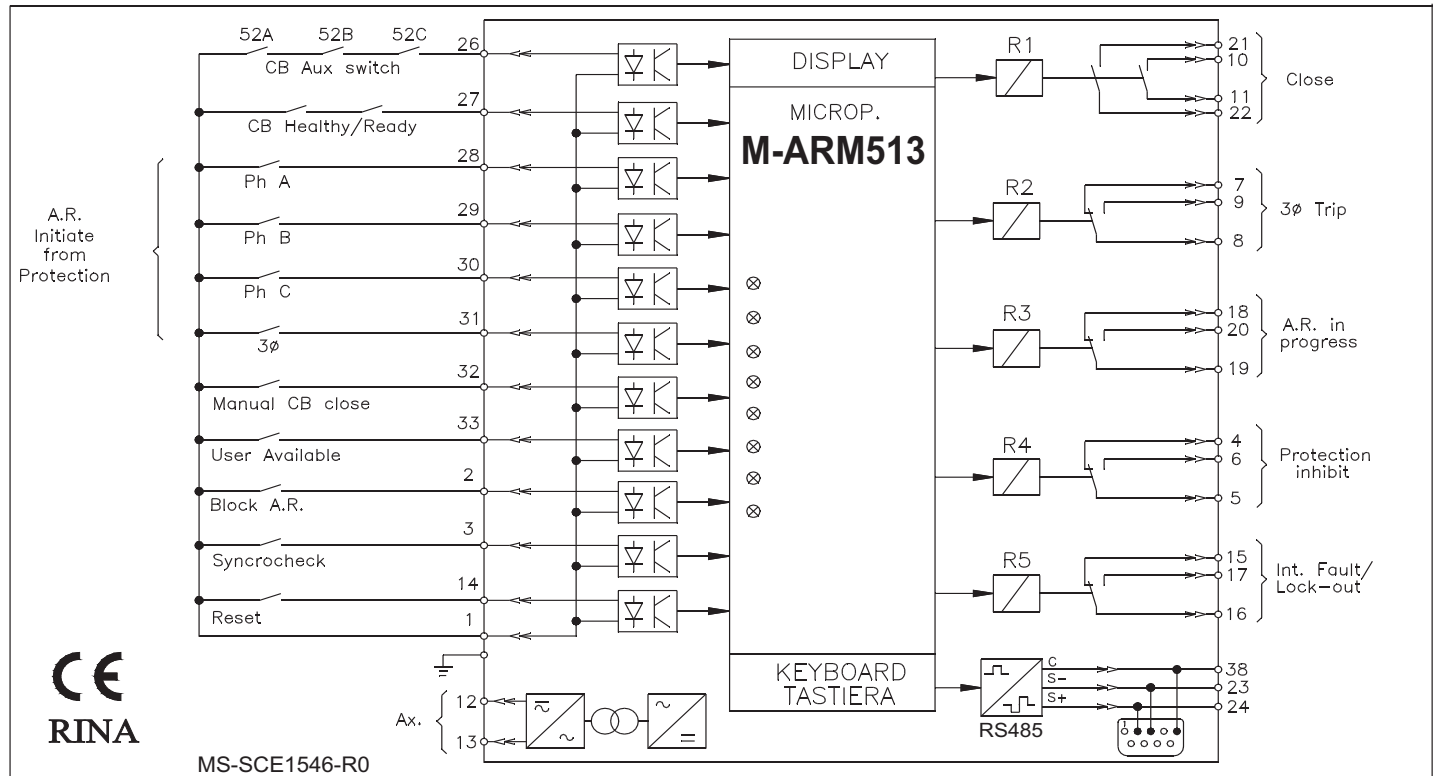
Third Shot

- Reclose mode single and/or three phase : **3R = 1 Pole - 3 Pole - 1/3 Pole**
- Dead Time : **3t = (0.05 - 600)s, step 0.01s**

Fourth Shot

- Reclose mode single and/or three phase : **4R = 1 Pole - 3 Pole - 1/3 Pole**
- Dead Time : **4t = (0.05 - 600)s, step 0.01s**

Connexion Diagram



Ordering data

Power supply

- ☐ Type 1 : 24 à 100 Vac et 24 à 125 Vdc $\pm$ 20 %.
- ☐ Type 2 : 80 à 220 Vac et 90 à 250 Vdc $\pm$ 20 %.

Execution

- ☐ Flush mounting
- ☐ Surface mounting
- ☐ Standard rack 19"3U

Special request _____

Quantity _____



MicroEner