



## WRU-10K

WRU-10K, Self-reclosing relay

Code: P23262.

- > Usefull diam.(mm): 28
- >  $I_{\Delta n}$  (A): 0,03 A
- > Delay: INS
- > Nr. reclosures: 15
- > Time between reclosures: 20 s, 40 s then every 3 min
- > Breaking element: MCB

### Description

Electronic residual current protection relay for self-reclosing, with  $\varnothing 28$  mm built-in toroidal transformer, forming a single unit. Type A relay (**IEC 60755**) ultra-immunized. True root mean square measure (TRMS).

Display with LED and backlit (LCD) display:

- Residual current protection / reclosing parameters.
- Protection trip current
- Number of reclosures
- Protection status messages, etc.

Device with three output relays, one for indicating locking status and the other two for the trip and subsequent reset of the circuit breaker (**MCB-P**). It is only used with the **MCB-P**, with it not being possible to associate it with others. It has voltage-free input for remote control trip/reset operations.

### Application

The **WRU-10K** relays connected to the **MCB-P** guarantee self-reclosing residual current and circuit breaker protection after an residual current trip. It is a good solution for those infrastructures that are hard to control and monitor because of their location.

Control boards for:

- Telephony systems
- DTT systems
- Computer systems, UPS



## WRU-10K

Residual current relay with built-in transformer and display (type A)

Code: P23262.

### Specifications

#### AC power supply

Consumption	4,5 VA
Frequency	50/60 Hz
Nominal voltage	230 V ~ ±30 %

#### Mechanical characteristics

Size (mm) width x height x depth	52.5 x 109.4 x 75 (mm)
Fastening	DIN 46277 (EN 50022)
Weight (kg)	0,171

#### Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-20 ... +70 °C

#### External reset input for tripping

Type	Voltage free / ON-OFF Remote
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#### Standards

Electrical safety, Maximum height (m)	2000
Standards	IEC 60947-2, IEC 60755, IEC 62020

#### Other digital relay outputs

Nominal load	1250 VA
Nominal current	5 A ~
Nominal voltage	250 V ~

#### Digital relay outputs

Nominal load	62,5 VA
Nominal current	0,25 A ~
Nominal voltage	230 V ~

#### Differential protection

Type	Type A ultra-immunised
Sensitivity ( $I_{\Delta n}$ ), A	0,03
Delay time ( $t_{\Delta}$ )	Ins

#### Protection



## WRU-10K

Residual current relay with built-in transformer and display (type A)

Code: P23262.

LED indication	Voltage presence Earth leakage tripping Reclosure timing
Measure	True root mean square (TRMS)

### Thermal-magnetic protection

Trip curve, Type	C
Breaking capacity	10 kA (IEC 60898) MCB-P
Nominal voltage	230 / 400 V ~

### Reclosure type

Reclosure number	Differential: 30
Reset time	Differential: 30 min
Reclosure time	Differential: 20 s, 40 s, and rest every 3 min

### WRU-10k

Residual current relay with built-in transformer

CODE	TYPE	I $\Delta$ n (A)	Breaking element
P23262.	WRU-10K	0,03 A	MCB

Certified and Approved by Telefónica The delay is cancelled in all relays with a sensitivity adjustment of 0.03 A, IEC 60947-2 annex M. Requires a motorised circuit breaker, MCB.P type (not included)

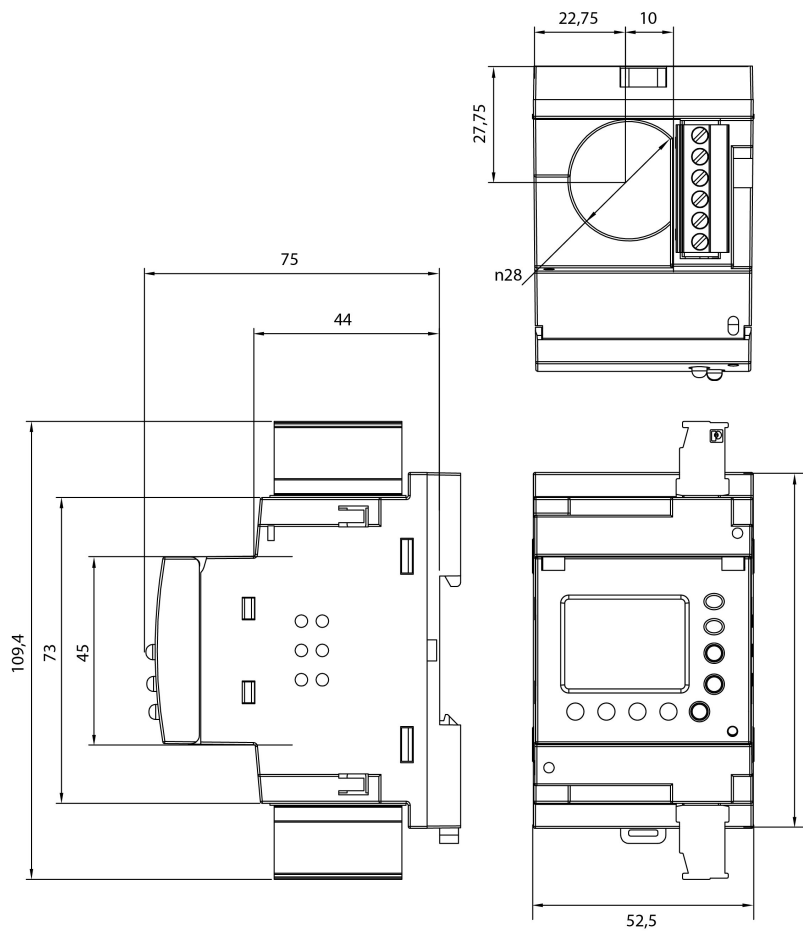


# WRU-10K

Residual current relay with built-in transformer and display (type A)

Code: P23262.

## Dimensions



## Connections

