



WRU-10K-0,03-3A

WRU-10K-0,03-3A, Self-reclosing relay

Code: P23261.

- > Usefull diam.(mm): 28
- > $I_{\Delta n}$ (A): 0,03 ... 3 A
- > Delay: 0,02 ... 1 s
- > Nr. reclosures: 30
- > Time between reclosures: 20 s, 40 s then every 5 min
- > Breaking element: MCB

Description

Electronic residual current protection relay for self-reclosing, with Ø28 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-0,03-3A

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

Code: P23261.

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)	0,172

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
------	------------------------------

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 ... 3
Delay time (t_{Δ})	0,02 ... 1 s

Protection



WRU-10K-0,03-3A

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

Code: P23261.

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: 15 min
Reclosure time	Differential: 20 s, 40 s, and rest every 5 min

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-0,03-3A

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

Code: P23261.

Dimensions



Connections

