

Overcurrent and earth leakage protection and self-reclosing
Earth leakage relay + MCB circuit-breaker

WRKRT-25

Earth leakage relay with built-in transformer



Description

- Self-reclosing earth leakage protection relay with a built-in transformer, with a diameter of \varnothing 25 mm, with automatic reclosure in case of a trip.
- Its operation is always associated to an **MCB** circuit-breaker. Therefore, other models can not be used
- The **WRKRT-25** relay is used with the **MCB** to guarantee the self-reclosing earth leakage and overload protection, with an automatic reclosure after an earth leakage trip
- Type A relay with high frequency current filtering and high immunity. Monitoring in true root mean square (TRMS)
- Adjustable sensitivity and timer.

Application

The **WRKRT-25** Relays connected to an **MCB** circuit-breaker guarantee self-reclosing earth leakage and overload protection, with an automatic reclosure after an earth leakage trip. It is a very good solution in installations in special locations that are hard to monitor and guard: telephony installations, television repeaters, refrigeration chambers, etc.

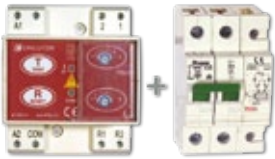
Features

Protection	Earth Leakage
Class	A superimmunized
Measurement	True root mean square (TRMS)
Sensitivity	Programmable from 30 mA ... 3 A
Delay	Programmable from 20 ms ... 1 s
Earth leakage transformer	Incorporated, \varnothing 25 mm
Test and Reset	With built-in button
Associated circuit breaker	Circuit-breaker MCB-T (WRKRT-25 T) and MCB-P (WRKRT-25 N)
I_n , No. of poles, thermal curve and cut-out power	Defined by the circuit-breaker used, up to 63 A
Reclosure	Earth Leakage
No. of reclosures	30 (WRKRT-25 T) and 6 (WRKRT-25 N)
Time between reclosures	20 s, 40 s, the remaining 28 every 5 min
Partial counter reset time	15 min
Relay signaling	
LED	<ul style="list-style-type: none"> Voltage presence indicator Interlocked reclosure Indicates the presence of leakage current that does not reach the trip point
Control input (R1-R2)	WRKRT-25 T : External reset WRKRT-25 N : Connection/disconnection order of the associated MCB-P
Features	
Auxiliary power supply	230 Vac ($\pm 20\%$) 50 / 60 Hz
Breaking element control contacts	Maximum current 3 Aac
Operating temperature	-10 ... +50 °C
Construction features	
Fixing	DIN rail
Dimensions	4 modules
Weight	235 g
Degree of protection	IP 20 Terminals, IP 41 Embedded relay
Standards	
IEC 61008-1, IEC 755, IEC 255-5, IEC 947-2	

Overcurrent and earth leakage protection and self-reclosing
 Earth leakage relay + MCB circuit-breaker

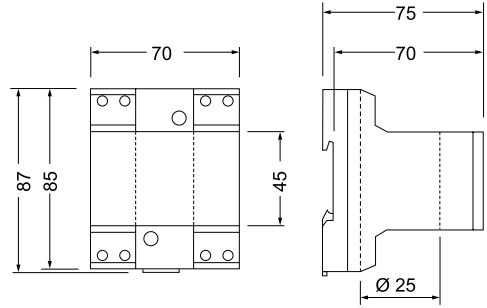
WRKRT-25

Earth leakage relay with built-in transformer



Dimensions

WRKRT-25 T / WRKRT-25 N



References

No. of rec.	Time between reclosures	I_n (A)	Delay (s) (*1)	Associated circuit breaker	Type	Code
30	20s, 40 s and the rest every 5 min	0,03 ... 3	0,02 ... 1	Circuit-breaker MCB-T	WRKRT-25 T	P23111
6	0.5/1/2/4/8/16 min	0,03 ... 3	0,02 ... 1	Circuit-breaker MCB-P	WRKRT-25 N (*2)	P23121

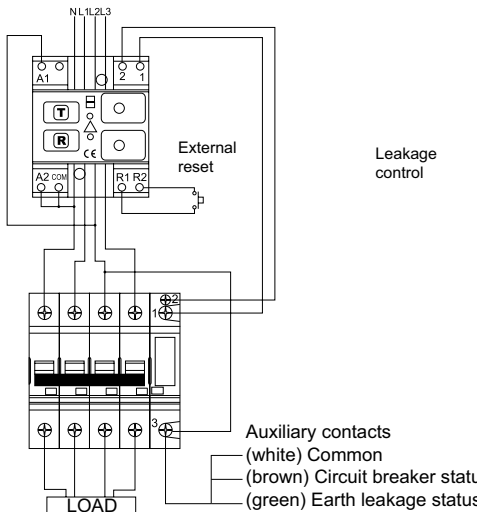
Up to 63 A and 2 and 3+N poles

(*1) The delay is cancelled in all relays with a sensitivity adjustment of 0.03 A.

(*2) Only valid for overload relays of the MCB-P Series. External contactor input.

Connections

WRKRT-25 T



WRKRT-25 N

