WI/020-30

WI/020-30, Current relay

Code: P32013.

> Trip time (adjustable): 0,5 ... 30 s
> Margin of setting (adjustable): 2 ... 20 A

Description

The **WI** current detectors are electronic devices with an output relay that is connected or disconnected, in accordance with the level of current detected in the circuit.

- The trip level is adjusted with the potentiometer on the front of the unit.
- The reset process is automatic with currents under 10% of the trip level (Hysteresis).
- Delay: the connection and disconnection times of the output relay can be adjusted separately.
- Measurement of the current, depending on the type:
  - With built-in current transformer (net diameter 25 mm)
  - Separate transformer, input.../5 A ~

Application

WI's can be used in any application that needs to control the load:

- Power supply units for grinders or aggregate grinding units.
- Loads in extrusion machines
- Pump control
- Load on motors, etc.

WI/020-30

Current detector control relay

Code: P32013.

Specifications

AC power supply

Frequency	50 Hz
Nominal voltage	220-240 V~ (-15%, +10%)

Mechanical characteristics

Size (mm) width x height x depth	70 x 87 x 75 (mm)
Weight (kg)	0,23

Voltage measurement circuit

Insulation voltage	2,5 kV

Digital relay outputs

AC11 Ie/Ue	0,8 A / 240 V~
DC11 Ie/Ue	1,6 A / 30 Vdc
Thermal current (Ith)	5 A
Insulation voltage	250 V ~
Electrical life	1 x 10^5
Mechanical life	2 x 10^6

Differential protection

Sensitivity (IΔn), A	2 ... 20
Delay time (tΔ)	0,5 ... 30 s

WI
Current detector relay

CODE	TYPE	Trip time (adjustable)	Margin of setting (adjustable)
P32011.	WI/005-30	0,5 ... 30 s	0,5 ... 5 A
P32012.	WI/010-30	0,5 ... 30 s	1 ... 10 A
P32013.	WI/020-30	0,5 ... 30 s	2 ... 20 A
P32014.	WI/050-30	0,5 ... 30 s	5 ... 50 A
P32015.	WI/100-30	0,5 ... 30 s	10 ... 100 A
P32010.	WI/TS	0,5 ... 30 s	s / transf. .../ 5 A

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Dimensions

Connections