

DIR2

DIR2, Reactive relay

Code: R11211.

> Alarm relay: No
> Power supply (Vac): 400 Vac
> Nr steps: 1
> Input current: .../250 mA
> Switching unit: Contactor

Description

The **DIR2** Power Factor Relay is capable of acting on a circuit in accordance with the reactive inductive or capacitive current transmitted through it. The **DIR2** relay measures reactive current in mA of the secondary of a .../250 mA current transformer **MC1** or **MC3** type. The front of the relay has a control panel that is used to adjust the reactive current where the relay will act. It has a LED that indicates the status of the relay.

Application

The **DIR2** relay is easy to install and program, making it the best solution in the following applications:

- Individual compensation of small, medium or large power loads.
- Partial compensation in installations with automatic equipment available.
- Partial or total regulator in low-power installations.Instantaneous and total disconnection of capacitor banks when there is a high capacitive current in the network.
- Control of reactive currents- capacitive and inductive - triggering an alarm signal when a high current is detected.

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Specifications

AC power supply

Consumption	< 3 VA
Frequency	50-60 Hz
Nominal voltage	400 V ~ ±10%

Mechanical characteristics

Size (mm) width x height x depth	35 x 85 x 73 (mm)
Weight (kg)	0,1

Environmental characteristics

Protection class	IP 40
Relative humidity (without condensation)	95%
Working temperature	-10 ... +50 °C

Standards

Certifications	UL
Electrical safety, Maximum height (m)	2000
Standards	EN 61010, EN 61000-3-2, EN 61000-3-3, EN 50081-2, EN 50082-1, EN 50082-2, EN 61000-4-2, EN 61000-4-4, EN 61000-4-8, EN 61000-4-5, EN 61000-4-11, UL 94

Current measurement circuit

Consumption	< 0,05 VA
Nominal current (In)	0,25 A ~
Allowable overload	1,2 In
Permanent overload	1,2 In

Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)

Idle current tripping

C/K trip adjustment range	0,15 ... 2
Connection delay Tc	5 s
Disconnection delay Tr	2 s

Digital relay outputs

AC11 Ie/Ue	10 A / 250 V ~
DC11 Ie/Ue	0,3 A / 110 V dc
Thermal current (Ith)	10 A
Electrical life	10x10 ^{4} maniobras
Mechanical life	

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$10x10^6$ operations

DIR2
Power factor relay 1 step. DIN rail

CODE	TYPE	Switching unit	Nr steps	Input current
R11211.	DIR2	Contactor	1	.../250 mA

Requires the use of MC transformers (not included). See section M - Measuring current transformers and shunts

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Dimensions

