

# FOXTAM 14 PIN 4PCO, 5 AMP RATED RELAYS

**TYPE: FRP3145/VOLTS**



## FEATURES

- LED indication
- Flag indication
- Test button
- Locking facility
- DC coils with integral diode protection
- CE marked

## DESCRIPTION & MODE OF OPERATION

A high quality range of CE marked standard pin out 4PCO 14 pin plug in relays, nominally rated at 5Amps/250VAC AC1. The relays benefit from every customer required option as standard, namely both mechanical and electrical indication via a mechanical flag and a high intensity LED. DC coil relays also have included within the relay a protection diode fitted across the coil as standard.

The relays can be manually tested by a momentary action push button, a lever can then be twisted to give a locking facility. Contact material is silver. To differentiate between AC and DC coils in the same installation the push button is coloured red for AC coils and blue for DC coils. Available coil voltages are 24VDC, 24VAC, 110VAC and 230VAC. Clearly marked on the relay case are the connection details and the CE mark.

## IMPORTANT NOTE

With regards coil connection on DC coil relays which have both a protection diode and LED fitted as standard, coil polarity matters (+A1, 13) (-A2, 14).

## COIL DATA

Coil rated voltage	Coil resistance at 20°C	
	DC	AC
Un(V)DC/AC	Rn(Ω) ± 10%	
24	650	160
110		3400
230		13600

Drop out voltage DC 10% min  
 Pull in voltage DC 80% max  
 Drop out voltage AC 30% min  
 Pull in voltage AC 80% max

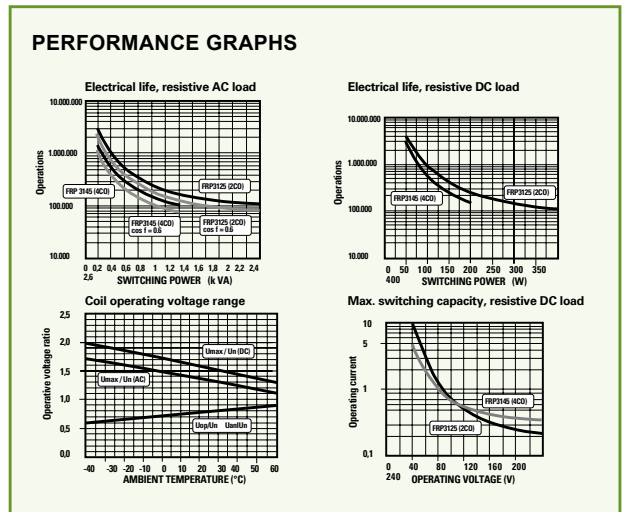
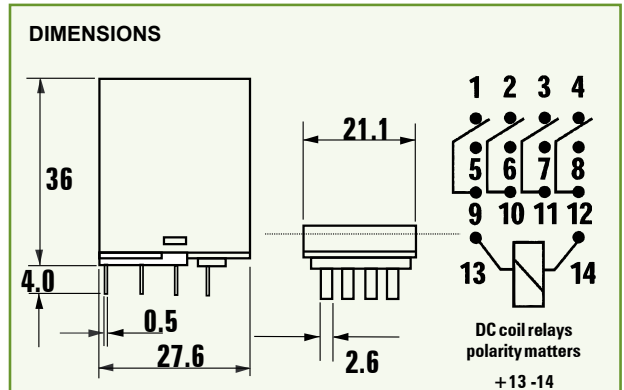
## CONTACT DATA

**Contact form:** FRP3145 (4PCO)  
**Contact material:** AgSnO<sub>2</sub>  
**Rated current:** 5A 250VAC AC1 / 30VDC  
**Max. operating voltage:** 250VAC, 110VDC  
**Max. switching power:** 600VA, 150W  
**Max. operating duty:** 360 operat./h at max rated load  
 18000 operat./h at min. load  
**Mechanical life:** 10<sup>7</sup> operations (no load operation)  
**Electrical life:** 10<sup>5</sup> operat. at max rated resistive load

## ORDERING INFORMATION

TYPE	COIL VOLTAGE
FRP3145	24VDC, 24VAC, 110VAC, 230VAC

Sockets see page 105 for full details.



## GENERAL DATA

**Rated Power Pull In Max:** DC 1.1W; AC 2VA  
**Max Coil Temperature:** 155°C  
**Test voltage(1min.) contact-coil:** ≥ 2kV<sub>rms</sub> 50Hz  
**Contact-contact:** ≥ 1kV<sub>rms</sub> 50Hz  
**Between-contact 4C0:** ≥ 1kV<sub>rms</sub> 50Hz  
**Operate time at Un:** ≤ 25 ms  
**Release time:** ≤ 25 ms  
**Insulation resistance (500VDC):** 100 MΩ  
**Vibration resistance (10-55Hz):** Amplitude width 1.5mm  
**Shock endurance:** 1000 m/S<sup>2</sup> Min  
**Ambient temperature for operating:** -25°C to + 55°C  
**Mounting position:** As desired  
**Relay weight:** 35g