

SPCO & DPCO MINIATURE INTERFACE RELAYS

TYPES: HF115F1 (spco 12 Amp)
HF115F2 (dpc0 8 Amp)

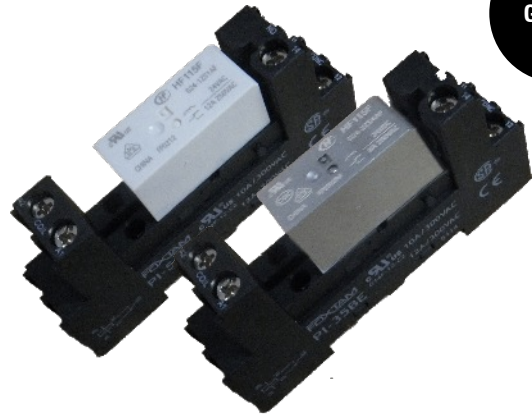
PRODUCT
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FEATURES

- Miniature SPCO & DPCO plug in interface relays
- Fully sealed
- Strong pins for socket insertion
- Low profile
- UL & VDE approval
- AC & DC coil voltages

RELAY DESCRIPTION

Miniature interface relays available either as SPCO or DPCO suitable for PCB mounting or for plugging into standard 15mm wide Din rail mounted interface relay bases. The relays are compact in construction being of low profile and fully sealed. The PCB pins are strong and are therefore hard to bend when inserted into a socket. Small in size but the switching capacity is large, the SPCO is rated at 12 Amps / 250VAC AC1 and the DPCO version is rated at 8 Amps / 250VAC AC1. For ease of identifying AC circuits against DC circuits in a control panel, AC coil relays are white and DC coil relays are black.



SPECIFICATIONS

Contact type:	SPCO & DPCO
Contact rating:	12A/250VAC AC1 & 8A/250VAC AC1
Max switching voltage:	440VAC / 125VDC
Max switching power:	3000VA & 2000VA
Contact material:	AgSnO ₂
Operate time:	15mSec max
Release time:	8mSec max
Mechanical life AC:	1000000 ops
Mechanical life DC:	10000000 ops
Electrical life AC:	50000 ops (full load)
Electrical life DC:	100000 ops (full load)
Insulation resistance:	1000MΩhms
Insulation:-	
Coil to contacts:	5KVAC 1 min
Open contacts:	1KVAC 1 min
Between contact sets:	2.5kVAC 1 min
Ambient temperature:	-40°C to +70°C (DC +85°C)
VDE approved:	Yes
UL approved & marked:	Yes

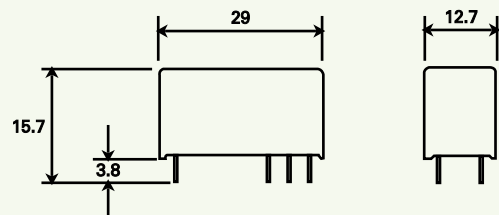
COIL DATA

COIL VOLTAGE	PULL IN VOLTAGE	RELEASE VOLTAGE	COIL CONSUMPTION*	COIL OHMS*
5VDC	3.5VDC	0.5VDC	80.6mA	62
6VDC	4.2	0.6VDC	66.6mA	90
12VDC	8.4VDC	1.2VDC	33.3mA	360
24VDC	16.8VDC	2.4VDC	16.6mA	1440
48VDC	33.6VDC	4.8VDC	8.3mA	5760
60VDC	42VDC	6.3VDC	8mA	7500
110VDC	77VDC	11VDC	4.4mA	25200
24VAC	18VAC	3.6VAC	31.6mA	350
110VAC	86.3VAC	17.3VAC	6.6mA	8100
230VAC	172.5VAC	34.5VAC	3.2mA	3250
			* +/-10%	* +/-10%

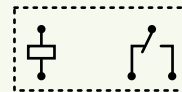
DIN RAIL MOUNTED SOCKETS FOR HF115F1 & HF115F2 RELAYS

Fully finger protected miniature interface relay bases with rising tunnel style clamps. The **PI-35BE** is the SPCO socket for the **HF115F1** relay. Whilst both the **PI-50BE** and **PI-50BE/3** are DPCO sockets for the **HF115F2** relay, the **PI-50BE/3** is a "triple deck" base with the coil connections on one side of the base and all the changeover contacts on the other side, thus achieving voltage segregation. An optional marker tab (one supplied with each base) maybe fitted in up to four different positions. Available as an option is an ejector style retaining clip.

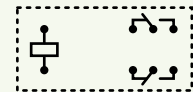
DIMENSIONS



CONNECTIONS



HF115F1



HF115F2

ORDERING INFORMATION

P/No.	
HF115F1 / Volts	SPCO 12 Amps
HF115F2 / Volts	DPCO 8 Amps
PI-35BE	Standard SPCO 5 pin base
PI-50BE	Standard DPCO 8 pin base
PI-50BE/3	Triple deck DPCO 8 pin base
TR	Spare marker tab
MS16	Ejector clip

Width of Bases 15.7mm



PI-35BE



PI-50BE



PI-50BE/3