

SPCO MINIATURE LOW COIL CONSUMPTION BMS INTERFACE RELAY

PRODUCT
GROUP
H

TYPE: HF115FH (spco 10Amp)

FEATURES

- Miniature SPCO BMS interface relay
- Low coil consumption
- 12VDC version compatible with 10VDC BMS signals
- Fully sealed
- Strong pins for socket insertion
- UL & VDE approval
- DC coil voltages only

RELAY DESCRIPTION

Miniature interface relays available as SPCO and only with DC coils. The **HF115FH** is a special sensitive coil version of the HF115F1, the **HF115FH** has a much higher coil resistance and hence a lower coil consumption of 250mW. This makes the **HF115FH** relay ideally suited for converting BMS and PLC, 0-10VDC analogue signals to digital inputs when there is only limited power behind the signal. In particular the **HF115FH** is fully compatible with the 0-10VDC output from "Trend Building Management Systems", the 12VDC coil relay will pull in at 9VDC.

Other applications include using the 24VDC coil version for converting transistor outputs to digital (often only limited power is available). Or when utilising a power supply and overall power consumption has to be kept within limits.

SPECIFICATIONS

Contact type:	SPCO
Contact rating:	10A/250VAC AC1
Max switching voltage:	440VAC / 125VDC
Max switching power:	2500VA
Coil consumption:	250mW
Contact material:	AgSnO ₂
Operate time:	15mSec max
Release time:	8mSec max
Mechanical life:	10000000 ops
Electrical life:	100000 ops (full load)
Insulation resistance:	1000 MOhms
Insulation:-	
Coil to contacts:	5KVAC 1 min
Open contacts:	1KVAC 1 min
Ambient temperature:	-40°C to +85°C
VDE approved:	Yes
UL approved & marked:	Yes

COIL DATA

COIL VOLTAGE	PULL IN VOLTAGE	RELEASE VOLTAGE	COIL CONSUMPTION*	COIL OHMS*
12VDC	9VDC	1.2VDC	20.8mA	576
24VDC	18VDC	2.4VDC	10.4mA	2304
			* +/-10%	* +/-10%

ORDERING INFORMATION

P/No.

HF115FH / 12VDC

HF115FH / 24VDC

Other DC coil voltages available on request

DIN RAIL MOUNTED SOCKET FOR HF115FH RELAY

Fully finger protected miniature interface relay base with rising tunnel style clamps. The **PI-35BE** is the SPCO socket for the **HF115FH** relay. 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.

P/No.

PI-35BE Standard SPCO 5 pin base

TR Spare marker tab

MS16 Ejector clip



DIMENSIONS

