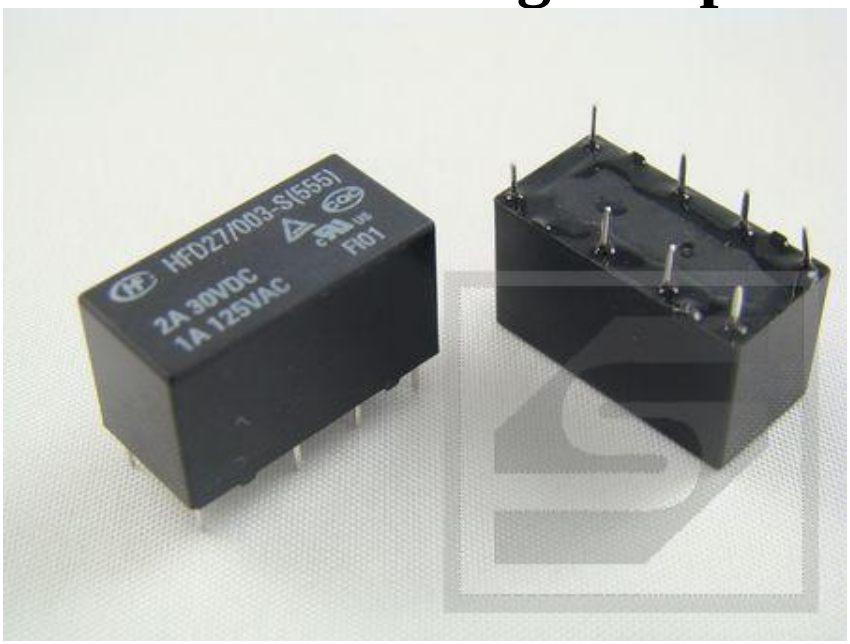
Przekaźnik JRC/HFD27/003-S TELEKOM. Hongfa odp.M4-3VDC 3V 2A



Dane techniczne:
Nazwa: JRC/HFD27/003-S
Konfiguracja styków: 2 styki przełączne
Napięcie sterujące: 3V
Znamionowy prąd styków: 2A
Producent: HONGFA

HFD27 SUBMINIATURE DIP RELAY

File No.:E133481

File No.:R50075362

File No.:CQC02001001938

Features

- 2 Form C configuration
- High switching capacity:125VA/60W
- Matching 16 pin IC socket
- Bifurcated contacts
- Epoxy sealed for automatic-wave soldering and cleaning
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (20.2 x 10.0 x 11.5) mm

CONTACT DATA

Contact arrangement	2C
Contact resistance	50mΩ (at 0.1A 6VDC)
Contact material	AgNi + Au plated
Contact rating (Res. load)	1A 125VAC, 2A 30VDC
Max. switching voltage	240VAC / 120VDC
Max. switching current	2A
Max. switching power	125VA / 60W
Min. applicable load	10mV 10μA
Mechanical endurance	$1x10^8$ OPS
Electrical endurance	$1x10^5$ OPS (at 2A 30VDC) $3x10^5$ OPS (at 1A 30VDC)

CHARACTERISTICS

Insulation resistance		1000MΩ (at 500VDC)
Dielectric strength	Between coil & contacts	1500VAC 1min
	Between open contacts	M, S type: 1000VAC 1min H type: 750VAC 1min
Operate time (at nomi. volt.)		6ms max.
Release time (at nomi. volt.)		4ms max.
Ambient temperature		-40˚C to 85˚C
Humidity		40% to 85% RH
Vibration resistance		10Hz to 55Hz 1.5mm DA
Shock resistance	Functional	196m/s²
	Destructive	980m/s²
Termination		PCB (DIP)
Unit weight		Approx. 5g
Construction		Wash tight

Notes: The data shown above are initial values.

COIL

Coil power	Standard: 280 to 580mW Sensitive: 200mW High Sensitive: 150mW
Temperature rise	65K max.

COIL DATA at 23˚C

Standard (280 to 580mW)

Order Number	Coil Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
003-M	3	2.25	0.3	4.5	30 x (1±10%)
005-M	5	3.75	0.5	8.0	90 x (1±10%)
006-M	6	4.50	0.6	10.0	130 x (1±10%)
009-M	9	6.80	0.9	14.5	280 x (1±10%)
012-M	12	9.00	1.2	18.5	450 x (1±10%)
015-M	15	11.3	1.5	22.0	625 x (1±10%)
024-M	24	18.0	2.4	35.5	1600 x (1±10%)
048-M	48	36.0	4.8	56.0	4000 x (1±10%)

Sensitive (200mW)

Order Number	Coil Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
003-S	3	2.25	0.3	6	45 x (1±10%)
005-S	5	3.75	0.5	10	125 x (1±10%)
006-S	6	4.50	0.6	12	180 x (1±10%)
009-S	9	6.80	0.9	18	405 x (1±10%)
012-S	12	9.00	1.2	24	720 x (1±10%)
015-S	15	11.3	1.5	30	1125 x (1±10%)
024-S	24	18.0	2.4	48	2880 x (1±10%)

COIL DATA

at 23°C

High Sensitive (150mW)

Order Number	Coil Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
003-H	3	2.4	0.3	7.0	60 x (1±10%)
005-H	5	4.0	0.5	11.5	167 x (1±10%)
006-H	6	4.8	0.6	13.8	240 x (1±10%)
009-H	9	7.2	0.9	20.8	540 x (1±10%)
012-H	12	9.6	1.2	27.7	960 x (1±10%)
015-H	15	12.0	1.5	34.6	1500 x (1±10%)
024-H	24	19.2	2.4	55.2	3840 x (1±10%)

Notes: When user's requirements cant't be found in the above table, special order allowed.

SAFETY APPROVAL RATINGS

UL&CUL	2A 30VDC 1A 125VAC
TÜV	2A 30VDC 1A 125VAC

Notes: Only some typical ratings are listed above. If more details are required, please contact us.

ORDERING INFORMATION

HFD27 / 012 -S (XXX)

Type

Coil voltage 3, 5, 6, 9, 12, 15, 24, 48VDC 1)

Coil power **M:** Standard (280 to 580mW) **S:** Sensitive (200mW)
H: High-sensitive (150mW)

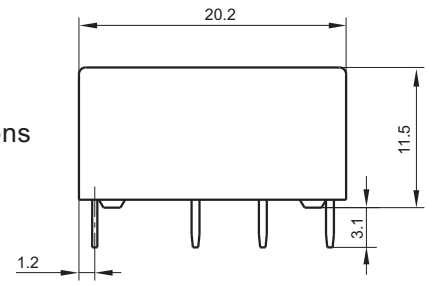
Customer special code

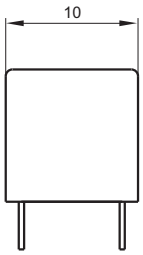
Notes: 1) 48VDC coil voltage is only for standard version.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

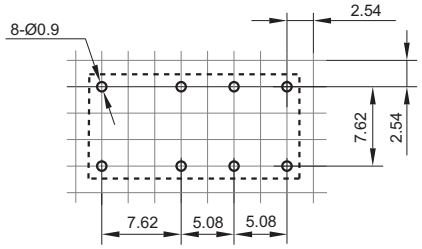
Unit: mm

Outline Dimensions

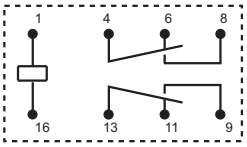




PCB Layout
(Bottom view)



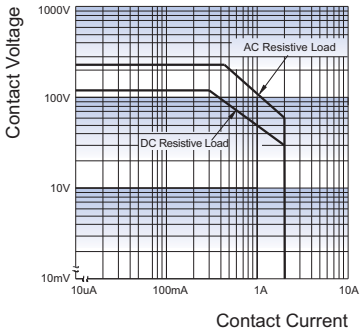
Wiring Diagram
(Bottom view)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
2) The tolerance without indicating for PCB layout is always ±0.1mm.
3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE