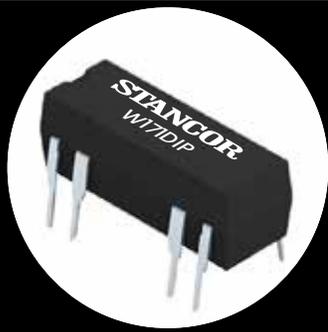


Description

The W171DIP series combines quality and economy in the industry standard 14-pin molded DIP package capable of switching 0.5 amps. This series will cross to all competitive DIP packages and is ideal for telecom, security and other general-purpose applications.

Features

- 14-pin dual-in-line packages with epoxy molding
- Can withstand immersion during board cleaning procedures
- Strong isolation between input and output
- Fast operation with low power consumption
- Diode Clamping option available
- RoHS Compliant



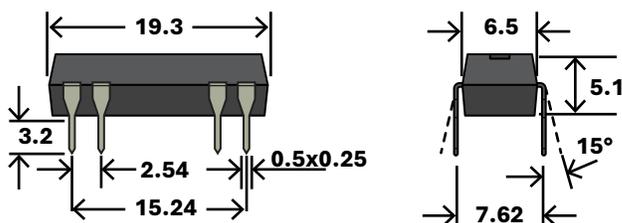
STANCOR Part Numbers	Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ [ohm]	Nominal Input Power	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max Allowable Voltage (VDC)	Contact Configuration	Wiring Diagram
W171DIP-2	5	500	50mW	3.75	0.6	10	SPST-NO	A
W171DIP-4	12	1000	144mW	9.00	1.0	20	SPST-NO	A
W171DIP-5	24	2150	268mW	18.00	2.0	32	SPST-NO	A
W171DIP-7	5	500	50mW	3.75	0.6	10	SPST-NO with Diode	B
W171DIP-9	12	1000	144mW	9.00	1.0	20	SPST-NO with Diode	B
W171DIP-10	24	2150	268mW	18.00	2.0	32	SPST-NO with Diode	B
W171DIP-12	5	500	50mW	3.75	0.6	6	SPST-NC	C
W171DIP-14	12	1000	144mW	9.00	1.0	14.5	SPST-NC	C
W171DIP-15	24	2150	268mW	18.00	2.0	29	SPST-NC	C
W171DIP-17	5	500	50mW	3.75	0.6	6	SPST-NC with Diode	D
W171DIP-19	12	1000	144mW	9.00	1.0	14.5	SPST-NC with Diode	D
W171DIP-20	24	2150	268mW	18.00	2.0	29	SPST-NC with Diode	D
W171DIP-21	5	140	179mW	3.75	0.6	10	DPST-NO	E
W171DIP-23	12	500	288mW	9.00	1.0	20	DPST-NO	E
W171DIP-24	24	2150	288mW	18.00	2.0	32	DPST-NO	E
W171DIP-25	5	140	179mW	3.75	0.6	10	DPST-NO with Diode	F
W171DIP-27	12	500	288mW	9.00	1.0	20	DPST-NO with Diode	F
W171DIP-28	24	2150	268mW	18.00	2.0	32	DPST-NO with Diode	F

• Coil measured @ 20°C

Contact Rating

Contact Form	1FormA /1FormB/2FormA/
Max. Switching Power	10W
Max. Switching Voltage	100VDC or Peak AC
Max. Switching Current	0.5A
Max. Carry Current	1A

Dimensions



• All dimensions in mm

Specification

Contact Resistance	Max. 150m Ω
Operate Time (Incl. bounce)	1.0ms
Release Time	0.5ms
Insulation Resistance	10 ⁹ ohm
Dielectric Strength	Between Open Contacts 200VDC
	Between Coil to Contacts 1500VDC
Capacitance (between open contacts)	0.5pF
Vibration	20G (10-2KHz)
Shock Resistance	30G (11ms, 1/2sin Wave)
Operating Temperature	-20°C ~+85°C
Life Expectancy of Electrical	5 X 10 ⁷ ops (10VDC, 10mA)

Wiring Diagram

