

47W (type K52)

Industry standard

Bifurcated contacts

Rated up to 2A

High sensitivity coil option

Fully sealed

UL, cUL recognised



SPECIFICATION

Contact Form	2C
Contact Material	Ag Pd, Au clad
Contact Rating	1.25A @ 24Vd.c. (30W) 0.4A @ 125Va.c. (50VA)
Min. Switching	1mA @ 10mV
Max. Carry Current	2A
Contact Resistance (Initial)	□50m□
Coil Consumption D.C. (Standard)	550mW
Coil Consumption D.C. (High Sensitivity)	150mW
Max. Coil Voltage	150% nominal
Operate Time	□6ms
Release Time	□3ms (standard coil), □5ms (sensitive coil)
Insulation Resistance	□1000M□ @ 500Vd.c.
Dielectric Strength (coil-contact)	1000Va.c. 50/60Hz 1 min.
Dielectric Strength (contact-contact)	1000Va.c. 50/60Hz 1 min.
Dielectric Strength (contact set-contact set)	1000Va.c. 50/60Hz 1 min.
Vibration Resistance	10 ~ 70Hz, 1.5mm D.A.
Shock Resistance (malfunction)	50G
Mechanical Life	2 x 10 ⁷ ops min.
Electrical Life	2 x 10 ⁶ ops min. @20mV/1kHz/1mA or 48Vd.c./2.4mA cable load
Weight	5g
Ambient Temperature	-25°C to +75°C
Approvals	 

COIL DATA

Nominal Coil Voltage (V)	Pick-Up Volts (max.) (V)	Drop-Out Volts (min.) (V)	Coil Resistance (□)
STANDARD D.C. COILS			
4.5	3.2	0.22	36
9	6.3	0.45	200
12	8.4	0.6	280
24	16.8	1.2	1070
48	33.6	2.4	4300
SENSITIVE D.C. COIL			
4.5	3.2	0.45	135
9	6.3	0.9	540
12	8.4	1.2	960
24	16.8	2.4	3840
48	33.6	4.8	15360

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ORDERING DESIGNATION

47W/

COIL VOLTAGES

- 5 - 4.5Vd.c.
- 9 - 9Vd.c.
- 6 - 12Vd.c.
- 7 - 24Vd.c.
- 8 - 48Vd.c.

COIL SENSITIVITY

- Blank - Standard
- H - High

eg **47W/6H**

BT Type 47 Relay, 12Vd.c. High Sensitivity Coil

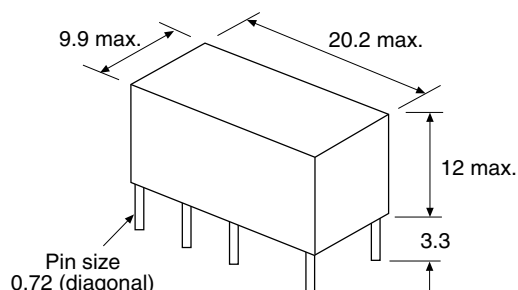
APPROVED STANDARDS

UL & cUL file number : **E155971**

MODEL	CONTACT CONFIG	COIL RATINGS	CONTACT RATINGS
47W	2C	4.5- 48Vd.c.	2A @28Vd.c. resistive 0.5A @125Va.c. P.F. 0.75

OVERALL DIMENSIONS

All versions

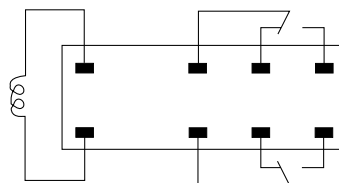
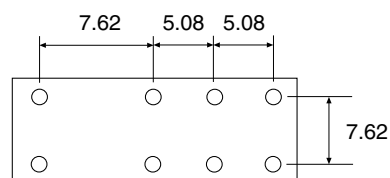


All sizes in mm

MOUNTING & WIRING

pin view

All versions



All sizes in mm

Maximum Switching Capacity

