

Very Small Size High Speed Independent Coil Driving types (2a Reed Relay)

■ Part number - Feature

● VS2AR**W

W: Double guard coaxial-shield
Coil Voltage



- High density mount: Mountable 2a contact on 1a contact type's area
Long life: 3×10^8 Operations

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	2 a (make)
	Contact Rating	10 W
	Max. Switching Voltage	DC 100 V
	Max. Switching Current	0.5 A
	Max. Carry Current	1.0 A
	Contact Resistance	200m Ω MAX. (Initial)
Electrical Specifications	Break Voltage	Between Contact DC 200V Contacts to coil DC 200V Contacts to shield DC 200V Coil to shield DC 200V
	Insulation Resistance	Between all isolated pins $1 \times 10^{10} \Omega$ MIN. (DC 100V)
	Capacitance	Across Open contacts 0.3pF Typ. (shield guarding) Contact to shield 1.2pF Typ.
	Thermal Electromotive Force	50 μ V Typ.
	Operate Time	(incl. bounce) 0.4mS MAX. (at Nominal Voltage)
	Release Time	0.1mS MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	20 G (0~2KHz, 1.5mm)
	Shock	30 G (11mS, 1/2 Sin Wave)
Environment	Operating Temperature	-10°C~+60°C
Life Expectancy	Mechanical	3×10^8 MIN. Operations
	Electrical	

■ Coil Specifications

Contact Form	Part Name	Nominal Voltage DC $\pm 10\%$ (V)	Coil Resistance $\pm 10\%$ (Ω) at 20°C	Nominal Current (mA)	Must-Operate Voltage MAX. (V) at 20°C
2a	VS2AR12W	12	600	20.0	8.4
	VS2AR05W	5	160	31.3	3.8

■ Dimensions/Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>VS2AR**W ● OKITA AA1</p> <p>12.7max</p> <p>5.08max</p> <p>8-φ0.45</p> <p>5.08±0.2</p> <p>10.16±0.2</p> <p>2.54±0.2</p> <p>3.0±0.2</p> <p>1 2 4 5</p> <p>10 9 7 6</p> <p>BOTTOM VIEW</p>	<p>TOP VIEW</p> <p>S2 Wc W1 W2</p> <p>10 9 7 6</p> <p>S1 G1 G2 Sc</p> <p>S1-S2...CONTACT (N.O) S2-Sc...CONTACT (N.O) Wc-W1...COIL (R Ω) Wc-W2...COIL (R Ω) G1-G2...GUARD</p>

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