



HANDOUK

Power Relay: HS / HSA

HSD / HSDA

► FEATURES

- 5A switching capabilities
- 1 pole configurations
- 3KV dielectric coil to contacts
- Slim size(width 5mm, height 12.5mm)
- High sensitivity 0.12W

Size (L x W x H)
20 x 5 x 12.5mm



► CONTACT DATA

Contact Form		1A(SPST)
Contact Ratings		5A 30VDC / 5A 250VAC
Max. Switching Voltage		250VAC / 110VDC
Max. Switching Current		5A
Max. Switching Power		1,250VA / 150W
Contact Resistance		50m Ω Max at 6VDC 1A
Life Expectancy	Electrical	100,000 Operations (at 30 ops a minute)
	Mechanical	20,000,000 Operations

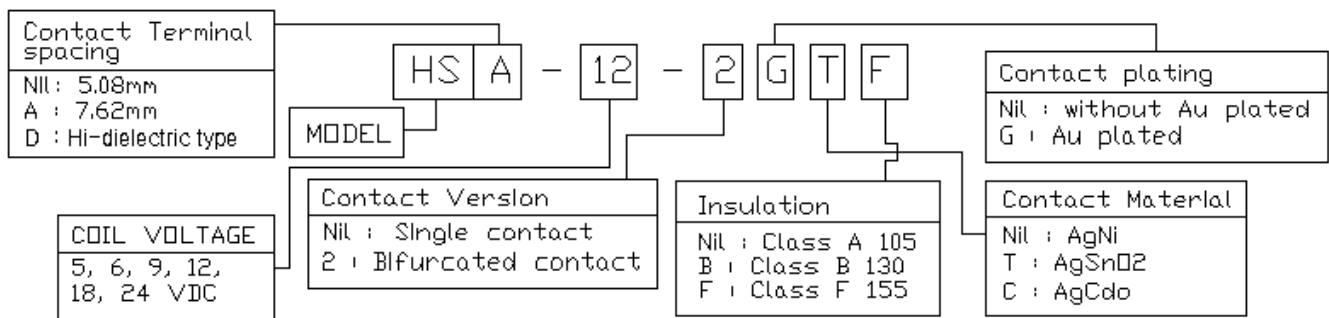
► OPERATION CONDITION

Insulation Resistance		1000M Ω min (at 500VDC)
Dielectric Strangth	Between open Contacts	1,000VAC (For one minute)
	Between coil & Contacts	Standard(HS/HAS) : 2,000VAC (For one minute) Hi-Dielectric(HSD/H SAD) : 3,000VAC (For one minute)
Surge Voltage between Contacts and coil		4,000V (1.2x50us)
Operate time		10ms
Release Time		5ms
Temperature rise (at nomi.Volt.)		45°C
Shock resistance	Operating Extremes	98 m/s ²
	Damage Limits	980 m/s ²
Vibration resistance		10~55Hz Double amplitude
Humidity		5~85%
Temperature Range		-40 ~ 85°C
Weight		Approx 3g
Coil power		0.12 to 0.18W

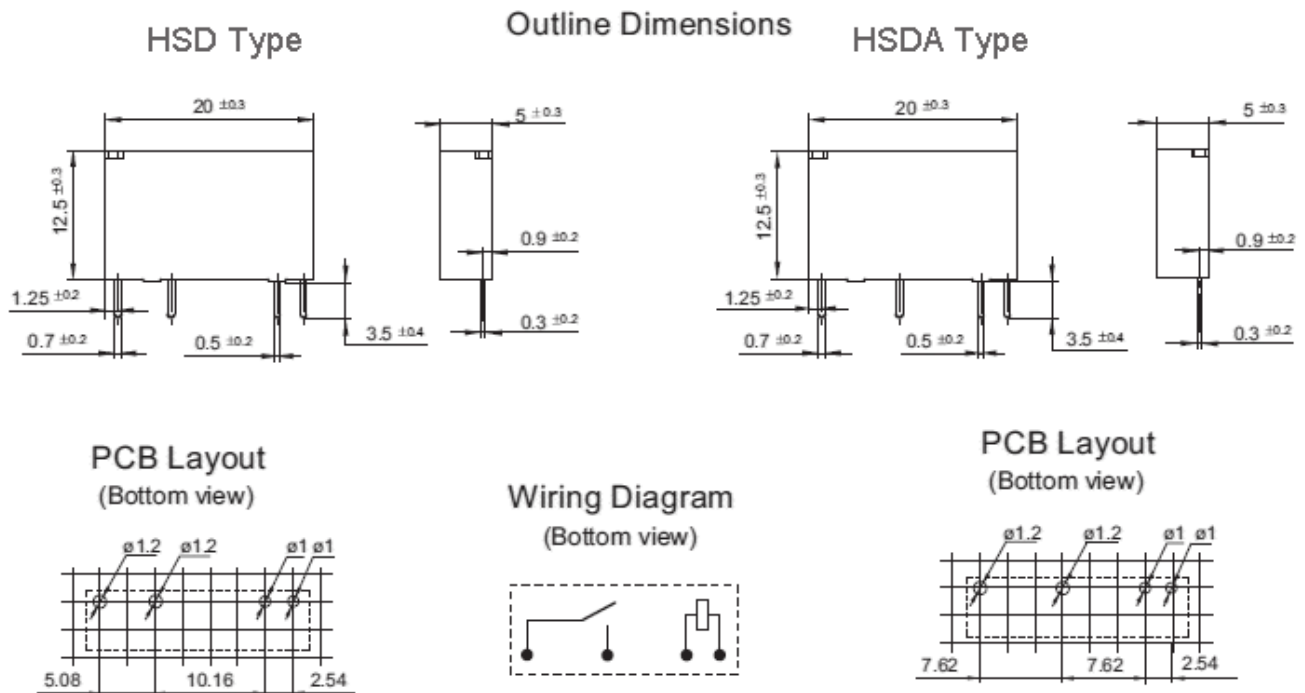
► COIL PARAMETER

Nominal Voltage (VDC)	Coil Resistance (at 20°C (Ω))	Coil Current (at 20°C)mA	Max Operate Voltage	Min. Release Voltage	Max. Applicable Voltage
5	208±10%	24.0	3.50	0.25	6.5
6	300±10%	20.0	4.20	0.30	7.8
9	675±10%	13.0	6.30	0.45	11.7
12	1200±10%	10.0	8.40	0.60	15.6
18	2700±10%	6.70	12.6	0.90	23.4
24	3200±10%	7.50	16.8	1.20	31.2

► ORDERING INFORMATION



► DIMENSIONS (UNIT: MM)



► USEFUL CURVE

