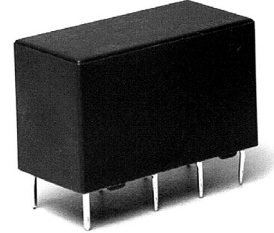


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LS5 Series

- Ultra small size
- High switching capacity
- High sensitivity coil available
- Approvals: **cULus** (E197070)
- Applications: telecommunications, test equipment, office equipment, security systems



COIL DATA

Nominal Voltage (DC)	Nominal Coil Current (mA) (± 10% at 20°C)			Coil Resistance (Ω) (± 10% at 20°C)		
	Std	Sens (H)	Ultra (U)	Std	Sens (H)	Ultra (U)
3	110	89	77	30	45	60
5	63	54	46	90	125	167
6	53	45	39	130	180	240
9	36	30	26	280	405	540
12	28	22	19	450	720	960
15	24	18	15	625	1125	1500
24	15	11	NA	1600	2880	NA
48	9	NA	NA	4000	NA	NA

Pick-up Voltage	≤75% nominal
Drop-out Voltage	≤10% nominal
Max. Coil Voltage	Std: Approx 150% nominal (call for specifics) H: Approx 200% nominal U: Approx. 230% nominal
Coil Consumption	Std: Approx. 0.36W H: Approx. 0.20W U: Approx. 0.15W

CONTACT

Configuration	2C: 2 form C (DPDT)
Material	Silver (Ag) alloy with Gold (Au) clad
Rated Load	2A@30VDC, 1A@125VAC
Max. Carry Current	3A
Max. Switching Voltage	120VDC / 240VAC
Max. Switching Current	2A
Max. Switching Power	60W / 125VA
Min. Permissible Load	10mV@10μA

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CHARACTERISTICS

Initial Contact Resistance	Max. 50mΩ
Operate Time	≤6ms
Release Time	≤4ms
Insulation Resistance	1000MΩ (@500VDC)
Dielectric Strength:	
• Between coil and contacts	1500VAC - one minute
• Between open contacts	1000VAC - one minute
• Between contact springs	1000VAC - one minute
Vibration Resistance	10-55Hz, 1.5mm, double amplitude
Shock Resistance:	
• Functional	Min. 20g
• Destructive	Min. 100g
Ambient Temperature	-40 ⁰ C to 85 ⁰ C
Relative Humidity	40% - 85%
Life Expectancy:	
• Mechanical	1 x 10 ⁸
• Electrical	1 x 10 ⁵ (2A@30VDC) 3 x 10 ⁵ (1A@30VDC)
Solder Temp	Max. 270 ⁰ C for 5 seconds
Solvent Temp	Max. 80 ⁰ C for 30 seconds
Weight	Approx. 5 grams

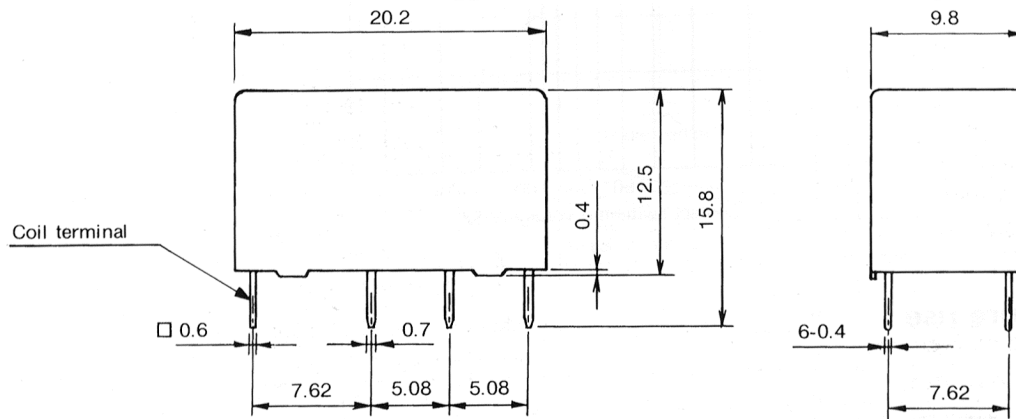
ORDERING INFORMATION

$\frac{LS5}{I} - \frac{009}{II} - \frac{2C}{III} \frac{H}{IV}$

I.	Series	LS5
II.	Coil Voltage (VDC)	003, 005, 006, 009, 012, 015, 024, 048
III.	Contact form	2C - 2 form C (DPDT)
IV.	Coil Sensitivity	nil - Standard, H - High Sensitivity, U - Ultra Sensitive

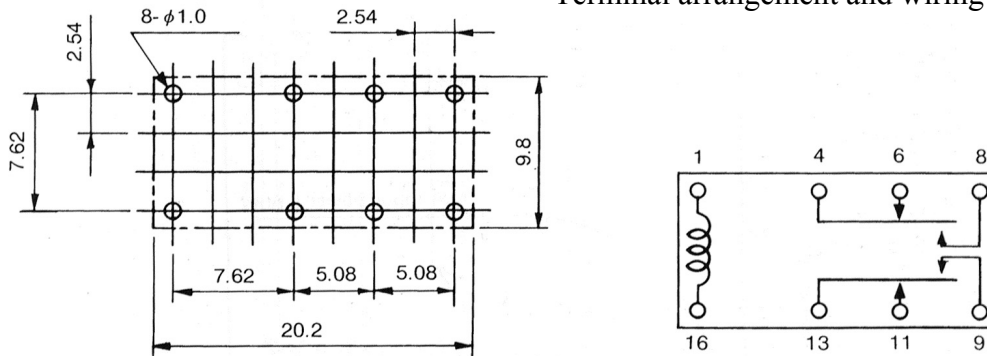
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LS5 Series Dimensions and Specifications



Tolerance : ± 0.3

Terminal arrangement and wiring diagram



Tolerance : ± 0.1