

S series	Applicable Cylinder	UCA2/RRC/hand/chuck
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S *



S * W

Specifications

Descriptions	Proximity 2 wire		Proximity 3 wire	
	S2	S2W (2 color indicator)	S3	S3W (2 color indicator)
Applications	Programmable controller		Programmable controller, relay, IC circuit, small solenoid valve	
Power voltage	-		DC4.5 to 28V	DC10 to 28V
Load voltage	DC10 to 30V		DC30V or less	DC30V or less
Load current	5 to 30mA		200mA or less	150mA or less
Current consumption	-		10mA or less at DC24V	16mA or less at DC24V
Internal voltage drop	4V or less		0.5V or less	
Light	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Red/green LED (ON lighting)
Leakage current	1mA or less		10μA or less	
Lead wire length	1m (oil resistant vinyl cabtire code 2 conductor 0.2mm ²)		1m (oil resistant vinyl cabtire code 3 conductor 0.15mm ²)	
Max. shock resistance	980m/s ² (100G)			
Insulation resistance	100MΩ over at DC500V megger			
Withstand voltage	No failure at AC1000V impressed for one minute			
Ambient temperature	-10 to + 60 °C			
Protection structure	IEC standards IP67, JIS C0920 (water tight type), oil resistance			

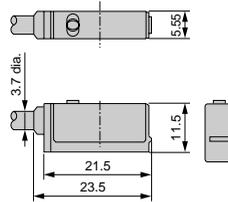
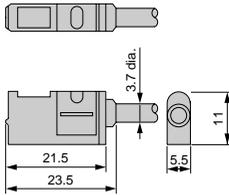
Descriptions	Reed 2 wire			
	S0		S5	
Applications	Programmable controller, relay		Programmable controller, relay, IC circuit (without indicator light), serial connection	
Power voltage	-			
Load voltage	DC12/24V	AC110V	DC5/12/24V	AC110V
Load current	5 to 50mA	7 to 20mA	50mA or less	20mA or less
Current consumption	-			
Internal voltage drop	2.4V or less		0V	
Light	LED (ON lighting)		Without indicator light	
Leakage current	0mA			
Lead wire length	1m (oil resistant vinyl cabtire code 2 conductor 0.2mm ²)			
Max. shock resistance	294m/s ² (30G)			
Insulation resistance	100MΩ over at DC500V megger			
Withstand voltage	No failure at AC1000V impressed for one minute			
Ambient temperature	-10 to + 60 °C			
Protection structure	IEC standards IP67, JIS C0920 (water tight type), oil resistance			

Note 1: Please refer to the pages that each cylinder model is listed about model No. of cylinder switch.

Dimensions

• S series

• S series (2 color indicator)



Switch internal circuit diagram

• S2/S2W	• S3/S3W	• S0	• S5
<p>Internal circuit diagram for S2/S2W switch. The diagram shows a main circuit with a switch and a lamp. The lamp is connected to a Brown wire (+) and a Blue wire (-).</p>	<p>Internal circuit diagram for S3/S3W switch. The diagram shows a main circuit with a switch and a lamp. The lamp is connected to a Brown wire (power supply +), a Black wire (output), and a Blue wire (power supply -).</p>	<p>Internal circuit diagram for S0 switch. The diagram shows a main circuit with a switch and a lamp. The lamp is connected to a Blue wire (-) and a Brown wire (+).</p>	<p>Internal circuit diagram for S5 switch. The diagram shows a simple circuit with a lamp connected between a Brown wire and a Blue wire.</p>