M Series	Application Cylinder	FC* RV3 * SRL3 SRG3 SRT3 UFCD



M*V



M*H

Specifications

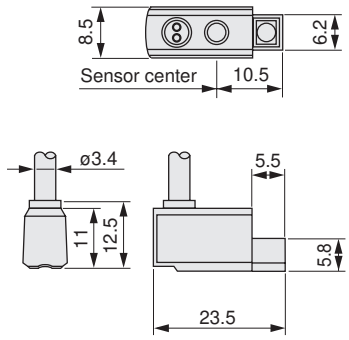
Item	2-wire proximity		3-wire proximity		
	M2V/M2H	M2WV(2-color LED)	M3H/V (NPN output))	M3PH/V (PNP output)	M3WV (2-color LED)
Applications	Dedicated for programmable controller		For programmable controller, relay, IC circuit, compact solenoid valve		
Output method	-		NPN output	PNP output	NPN output
Power supply voltage	-		4.5 to 28 VDC		10 to 28 VDC
Load voltage	10 to 30 VDC		30 VDC or less		
Load current	5 to 30mA		100 mA or less		
Current consumption	-		10 mA or less with 24 VDC	10 mA or less with 24 VDC	15 mA or less with 24 VDC
Internal voltage drop	4 V or less		0.5 V or less		
Indicator	Red LED (Lit when ON)	Red/green LED (Lit when ON)	Red LED(Lit when ON)	Yellow LED (Lit when ON)	Red/green LED (Lit when ON)
Leakage current	1 mA or less		10 µA or less	0.05 mA or less	10 µA or less
Lead wire length	1m (Oil resistant vinyl cabtyre cable 2-conductor 0.2mm^2)		1m (Oil resistant vinyl cabtyre cable 3-conductor 0.15mm^2)		
Shock resistance	980m/s^2				
Insulation resistance	100 MΩ and over with 500 VDC megger				
Withstand voltage	No failure after 1 minute of 1,000 VAC application.				
Ambient temperature	-10 to +60°C				
Degree of protection	IEC standards IP67, JIS C0920 (water tight)				
Weight	1 m: 22 g 3 m: 57 g 5 m: 93 g		1 m: 22 g 3 m: 57 g 5 m: 93 g		

Item	2-wire reed			
	M0V/M0H		M5V/M5H	
Applications	For programmable controller, relay		For programmable controller, relay, IC circuit (no indicator lamp), serial connection	
Power supply voltage	-			
Load voltage	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC
Load current	5 to 50mA	7 to 20mA	50 mA or less	20 mA or less
Current consumption	-			
Internal voltage drop	3 V or less (with 30 mA load current for DC)		0.1V or less (*4)	
Indicator	Red LED (Lit when ON)		No indicator lamp	
Leakage current	0 mA			
Lead wire length	1 m (oil resistant vinyl cabtyre cable 2-conductor 0.2mm^2)			
Shock resistance	294 m/s^2			
Insulation resistance	100 MΩ and over with 500 VDC megger			
Withstand voltage	No failure after 1 minute of 1,000 VAC application.			
Ambient temperature	-10 to +60°C			
Degree of protection	IEC standards IP67, JIS C0920 (water tight)			
Contact protection circuit*5	None			
Weight	1 m: 22 g 3 m: 57 g 5 m: 93 g			

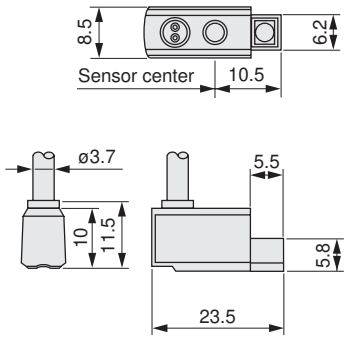
*1: M*H is available for SRL3, SRG3, and SRT3.
*2: Refer to the pages of each cylinder model for switch model No. capable of installing on a cylinder.
*3: Contact CKD separately for cylinder switch with connector.
*4: Internal resistance 0.5 Ω or less.
***5: Refer to Intro Page 80 for contact protective measures.**

Dimensions

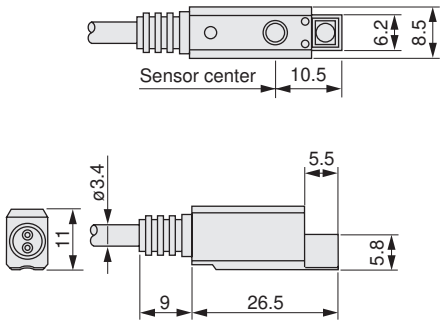
● M*V Series (L-shaped lead wire)



● M*W Series (2-color LED, L-shaped lead

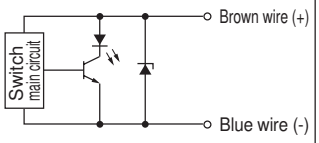


● M*H Series (straight lead wire)

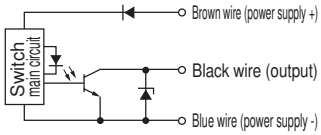


Switch internal circuit diagram

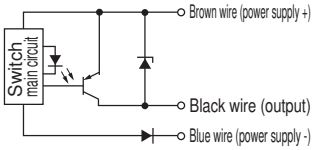
● M2V/M2H/M2WV



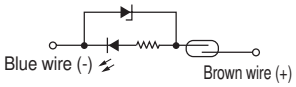
● M3V/M3H/M3WV



● M3PV/M3PH



● M0V/M0H



● M5V/M5H

