



■Shielded

Type	Part Number	Dia.	Detection Distance	Output	Connection Method	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10 pcs.
Ultra-Mini Type	C-MPXSC-4	Ø4	0.8mm	NPN N.O.	Cable 2m		
	C-MPXSC-5	M5	0.8mm				
Standard	C-MPXSC-1-8S	M8	1mm				
	C-MPXSC-2-12S	M12	2mm				
	C-MPXSC-5-18S	M18	5mm				
	C-MPXSC-10-30S	M30	10mm				

■Non-Shielded

Type	Part Number	Dia.	Detection Distance	Output	Connection Method	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10 pcs.
Standard	C-MPXSC-4-12U	M12	4mm	NPN N.O.	Cable 2m		
	C-MPXSC-8-18U	M18	8mm				



Ordering Example  
Part Number  
C-MPXSC-4

■Specifications

Type	DC, 3-Wire					
	Shield					
	Ultra-Mini Type		Standard			
	Ø4	M5	M8	M12	M18	M30
Part Number	C-MPXSC-4	C-MPXSC-5	C-MPXSC-1-8S	C-MPXSC-2-12S	C-MPXSC-5-18S	C-MPXSC-10-30S
Standard Detected Subject	Steel 4x4x1mm	Steel 5x5x1mm	Steel 8x8x1mm	Steel 12x12x1mm	Steel 18x18x1mm	Steel 30x30x1mm
Effective Operation Distance	0.8mm		1mm	2mm	5mm	10mm
Guaranteed Operation Distance	0~0.5mm		0~0.8mm	0~1.6mm	0~4.0mm	0~8mm
Hysteresis	10% or less					
Frequency Response	5KHz		1KHz		500Hz	300Hz
Power Supply Voltage	DC10~30V			DC12~24V		
Current Consumption	10mA or less			8mA or less		
Leaked Current	0.1mA or less			1.1mA or less		
Residual Voltage	2VDC or less			1.5VDC or less		
Control Output	NPN N.O.					
Dielectric Strength	20MΩ/min. (500VDC)					
Withstand Voltage	1000VAC 60Hz, 1min					
Operating Temperature	-25 ~ 70°C (No Condensations or Freezing)			-20 ~ 60°C (No Condensations or Freezing)		
Protection Structure	IEC Standard, IP67			IEC Standard, IP66		
Weight	Approx. 26g		Approx. 30g	Approx. 65g	Approx. 96g	Approx. 145g

Type	DC, 3-Wire	
	Non Shield	
	Standard	
	M12	M18
Part Number	C-MPXSC-4-12U	C-MPXSC-8-18U
Standard Detected Subject	Steel 12x12x1mm	Steel 18x18x1mm
Effective Operation Distance	4mm	8mm
Guaranteed Operation Distance	0~3.2mm	0~6.4mm
Hysteresis	10% or less	
Frequency Response	500Hz	500Hz
Power Supply Voltage	DC12~24V	
Current Consumption	8mA or less	
Leaked Current	1.1mA or less	
Residual Voltage	1.5VDC or less	
Control Output	NPN N.O.	
Dielectric Strength	20MΩ/min. (500VDC)	
Withstand Voltage	1000VAC 60Hz, 1min	
Operating Temperature	-20 ~ 60°C (No Condensations or Freezing)	
Protection Structure	IEC Standard, IP66	
Weight	Approx. 65g	Approx. 90g

■Schematics

