



Ordering Example

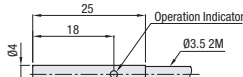
Part Number

C-MPXSC-4

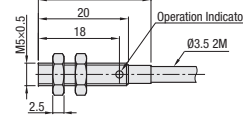


C-MPXSC-□ (Mini Type)
C-MPXSC-□ (Standard)

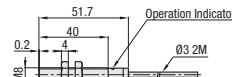
Shield
C-MPXSC-4



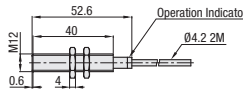
C-MPXSC-5



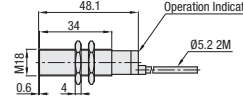
C-MPXSC-1-8S



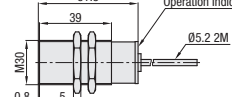
C-MPXSC-2-12S



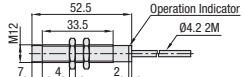
C-MPXSC-5-18S



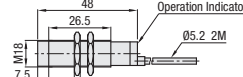
C-MPXSC-10-30S



Non Shield
C-MPXSC-4-12U



C-MPXSC-8-18U



Accessory
Toothed Washer (2 pcs.)
Hexagon Nut (2 pcs.)
(except C-MPXSC-4)

Shield Type

Type	Part Number	Diameter	Detection Distance	Output	Connection Method
Mini	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 Shield Type

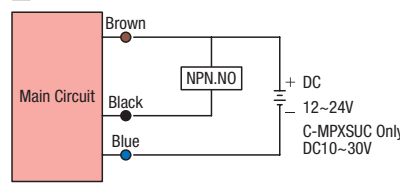
Type	Part Number	Diameter	Detection Distance	Output	Connection Method
Standard	C-MPXSC-4-12U	M12	4mm	NPN N.O.	Cable 2m
	C-MPXSC-8-18U	M18	8mm		

Specifications

Type	DC, 3-Wire					
	Shield					
	Mini		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					
Current Consumption	10mA or less					
Leakage Current	0.1mA or less					
Residual Voltage	DC2V or Less					
Control Output	NPN N.O.					
Dielectric Strength	20MΩ/min. (DC500V)					
Withstand Voltage	AC1000V 60Hz 60 sec.					
Operating Temperature	-25°C ~ 70°C (No Freezing / Condensation)					
Protection Structure	IEC Standard IP67					
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	
Power Supply Voltage	DC12-24V	
Current Consumption	8mA or less	
Leakage Current	1.1mA or less	
Residual Voltage	DC1.5V or less	
Control Output	NPN N.O.	
Dielectric Strength	20MΩ/min. (DC500V)	
Withstand Voltage	AC1000V 60Hz 60 sec.	
Operating Temperature	-20°C ~ 60°C (No Freezing / Condensation)	
Protection Structure	IEC Standard: IP66	
Weight	Approx. 65g	Approx. 90g

Schematics



Days to Ship



Stock

Stock lineup may vary by country.
Same day shipping available upon request. Order by THA: 16:00, SGP: 12:00, MYS: 15:00 P.75

Order Quantity	Standard Service Regular Quantity	Non-Standard Service Large Quantity
Quantity	1-30	31~
Days to ship	Standard	To be quoted



Ordering Example

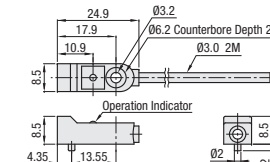
Part Number

C-MPXSR-2-F8

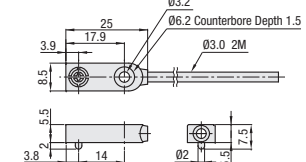


C-MPXSR-□-F□ (Front Surface Detection)
C-MPXSR-□-T□ (Upper Surface Detection)

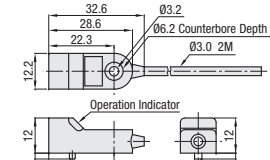
Front Surface Detection
C-MPXSR-2-F8



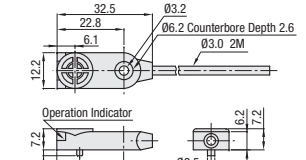
Upper Surface Detection
C-MPXSR-2-T8



C-MPXSR-4-F12
C-MPXSR-4-F12C



C-MPXSR-4-T12
C-MPXSR-4-T12C



Accessory
Cross Recessed Screws

Front Surface Detection

Part Number	Detection Distance	Output	Connection Method
C-MPXSR-2-F8	2mm	NPN N.O.	Cable 2m
C-MPXSR-4-F12	4mm		
C-MPXSR-4-F12C	4mm	NPN N.C.	Cable 2m

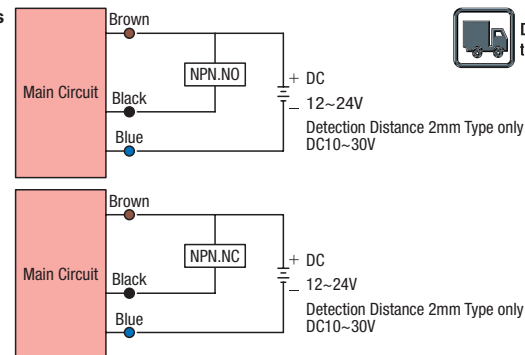
Upper Surface Detection

Part Number	Detection Distance	Output	Connection Method
C-MPXSR-2-T8	2mm	NPN N.O.	Cable 2m
C-MPXSR-4-T12	4mm		
C-MPXSR-4-T12C	4mm	NPN N.C.	Cable 2m

Specifications

Type	DC, 3-Wire					
	Front Surface Detection			Upper Surface Detection		
	N.O. (Normally Open)		N.C. (Normally Closed)	N.O. (Normally Open)		N.C. (Normally Closed)
Part Number	C-MPXSR-2-F8	C-MPXSR-4-F12	C-MPXSR-4-F12C	C-MPXSR-2-T8	C-MPXSR-4-T12	C-MPXSR-4-T12C
Standard Detected Subject	Steel 8x8x1mm	Steel 12x12x1mm		Steel 8x8x1mm	Steel 12x12x1mm	
Effective Operation Distance	2mm	4mm		2mm	4mm	
Guaranteed Operation Distance	0-1.6mm	0-3.2mm		0-1.6mm	0-3.2mm	
Hysteresis	10% or less					
Frequency Response	1KHz					
Power Supply Voltage	DC10-30V	DC12-24V		DC10-30V	DC12-24V	
Current Consumption	8mA or less					
Leakage Current	1.1mA or less					
Residual Voltage	DC1.5V or less					
Control Output	NPN N.O.	NPN N.O.	NPN N.C.	NPN N.O.	NPN N.O.	NPN N.C.
Dielectric Strength	20MΩ/min. (DC500V)					
Withstand Voltage	AC1000V 60Hz 60 sec.					
Operating Temperature	-20°C ~ 60°C (No Freezing / Condensation)					
Protection Structure	IEC Standard IP64		IEC Standard IP64	IEC Standard IP64		IEC Standard IP64
Weight	Approx. 30g		Approx. 26g	Approx. 26g		Approx. 26g

Schematics



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