

Cylindrical Type

XM18 Plastic Housing Series

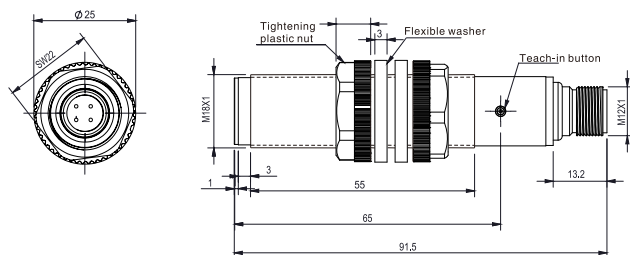


Appearance

Sensing type		Diffuse reflection			
Sensing range		50~400mm	100~900mm	150~1600mm	200~2200mm
Resolution		3mm	2mm	3mm	3mm
Repeat accuracy		0.5%			
Hysteresis		1%			
linearity error		1%			
Opening angle		± 8°	± 7°	± 8°	± 7°
Switch frequency		10Hz	4Hz	2Hz	1Hz
Response time		500ms	≤125ms	250ms	500ms
Operating voltage		15~30V DC(± 5%)			
Temperature compensation		Yes			
Temperature drift		5%			
Voltage drop		2.2V max.(1L=100mA)			
Current consumption		≤50mA			
Output current(Switch output)		100mA			
Min load resistance (Analog voltage)		3k Ω			
Leakage current		≤10 μ A@30V DC			
Sensitivity adjustment		Teach-in			
Time delay before availability (Switch output)		≤500ms; ≤900ms(Dual output)			
Time delay before availability (Analog output)		≤900ms			
Operating temperature		-20℃~+60℃			
Storage temperature		-35℃~+70℃ (No freezing)			
Protective circuit		Reverse polarity protection, Short circuit (auto reset), Over voltage pulses protection			
Degree of protection		IP67			
Tightening torque		50Nm			
Housing material		PBT			
Sensing surface material		Epoxy-glass resin			
Weight		26g			
Analog output	Voltage	XMC18-40V	XMC18-90V	XMC18-160V	XMC18-220V
	Current	XMC18-40I	XMC18-90I	XMC18-160I	XMC18-220I
Switch output	NPN	XMC18-40N	XMC18-90N	XMC18-160N	XMC18-220N
	PNP	XMC18-40P	XMC18-90P	XMC18-160PX	XMC18-220P

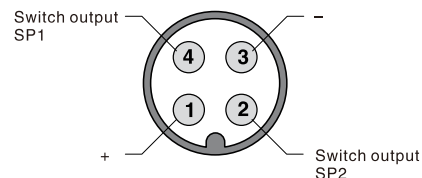
Dimensions

Unit: mm



Wiring Diagram

Dual switch outputs:



Switch /Analog:

