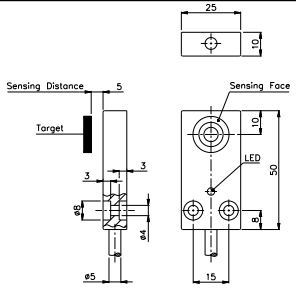
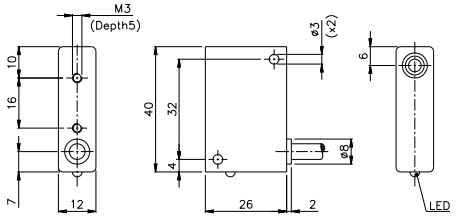
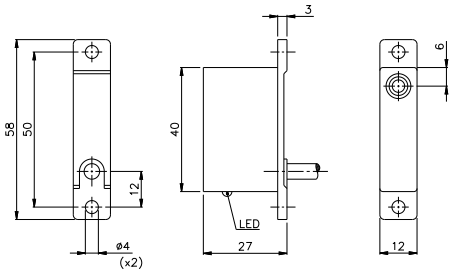
Rectangular Housing
Flat Profile
FG2 Version
3 / 4 Wire D.C.
Standard Switching Distance



Technical Data	Type : FG2X05							
	DC Operating Voltage							
Housing Material	Plastic							
Environmental Protection	IP67							
Mounting Position	Optional							
Operating Temperature (deg.C)	-25 to +70							
Connection	Encapsulated Oil Resistant Cable							
Cable Length (mm)	2000 or 5000							
Conductor Cross Section (mm^2)	0.34							
Sensing Distance Sn (mm)	5							
Switch Point Hysteresis H (mm) ≤	0.5							
Repeat Accuracy (mm) ≤	0.2							
Operating Voltage (V)	10-30							
Operating Voltage Ripple (%) ≤	10							
Load Current Ia (mA) max	250							
Residual Current Ir (mA) ≤	0.001							
No-Load Current (mA) ≤	15							
Voltage Drop Ud (V) ≤	2.5							
Internal Resistance Ri (KΩ)	4.7							
Temperature Drift S (µm/K) ≤	± 10							
Switching Frequency (Hz)	500							
Output Polarity	PNP		NPN					
Output Function	A=NO	U=NO+NC	A=NO	U=NO+NC				
Connection Diagram	1	3	2	4				
Short Circuit Protection	yes	no	yes	no				
Status Indication	LED (see ordering code)							

Rectangular Housing
Flat Profile
FG4 Version
3 Wire D.C.
Standard Switching Distance





Technical Data	Type : FG4X02				Type : FG41X02			
	DC Operating Voltage				DC Operating Voltage			
Housing Material	Plastic				Plastic			
Environmental Protection	IP67				IP67			
Mounting Position	Optional				Optional			
Operating Temperature (deg.C)	-25 to +70				-25 to +70			
Connection	Encapsulated Oil Resistant Cable				Encapsulated Oil Resistant Cable			
Cable Length (mm)	2000 or 5000				2000 or 5000			
Conductor Cross Section (mm^2)	0.34				0.34			
Sensing Distance Sn (mm)	2				2			
Switch Point Hysteresis H (mm) ≤	0.2				0.2			
Repeat Accuracy (mm) ≤	0.1				0.1			
Operating Voltage (V)	10-30				10-30			
Operating Voltage Ripple (%) ≤	10				10			
Load Current Ia (mA) max	250				250			
Residual Current Ir (mA) ≤	0.001				0.001			
No-Load Current (mA) ≤	15				15			
Voltage Drop Ud (V) ≤	2.5				2.5			
Internal Resistance Ri (KΩ)	4.7				4.7			
Temperature Drift S (µm/K) ≤	± 4				± 4			
Switching Frequency (Hz)	500				500			
Output Polarity	PNP		NPN		PNP		NPN	
Output Function	A=NO		A=NO		A=NO		A=NO	
Connection Diagram	1		2		1		2	
Short Circuit Protection	yes		yes		yes		yes	
Status Indication	LED (see ordering code)				LED (see ordering code)			