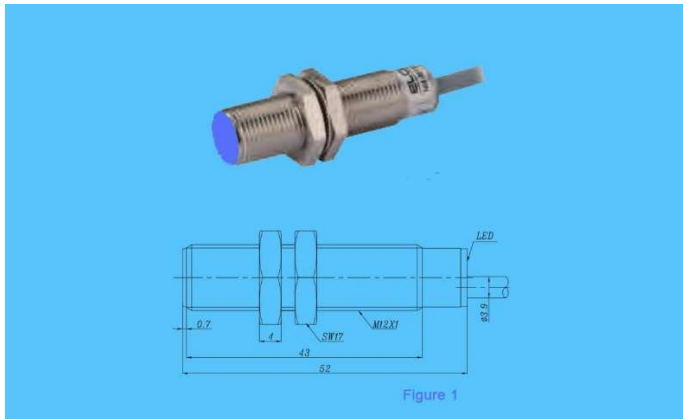
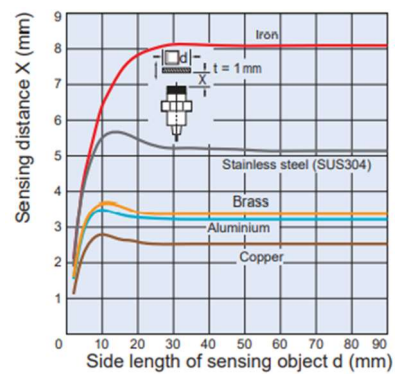




Functional characteristic curve



Ordering Information

Item	Size	M12	
	Type	Shielded	Unshielded
	Model	SKC-LF2.0-FKH12-XXXX	SKC-LM5.0-FKH12-XXXX
Sensing distance		2mm±10%	5mm±10%
Setting distance		0 to 1.6 mm	0 to 4.6mm
Detectable object		Ferrous metal	
Standard sensing object(mild steelST37)		12× 12× 1 mm	
Switching frequency		2000HZ	
Power supply voltage		10 to 30 VDC. (including 10% ripple (p-p))	
Rated current		10 mA max	
Load current		200 mA max. (30 VDC max.)	
Output type		-P models: PNP open collector	
		-N models: NPN open collector	
Operation mode (with sensing object approaching)		O/-C1 models: NO -N/-C2 models: NC	
Indicator		Operation indicator	
Protection circuit		Yes	
Ambient air temperature		Operation and storage : -25 to 70°C	
Protection grade		IP67	
Connecting method	Pre-wired models	PVC cable with length=2m,5m 3pin	
	Connector model	----	
Material	Case	Stainless steel SUS 303	
	Sensing surface	PBT	
	Cable	Standard cable PVC	

Parameter

Model	Sensing distance	Installation	Output type	Connection mode	drawing
SKC-LF2.0-FKG12-POFF2	2mm	Shielded	PNP/NO	Pre-wired	Figure 1
SKC-LF2.0-FKG12-PNFF2	2mm	Shielded	PNP/NC	Pre-wired	Figure 1
SKC-LF2.0-FKG12-NOFF2	2mm	Shielded	NPN/NO	Pre-wired	Figure 1
SKC-LF2.0-FKG12-NNFF2	2mm	Shielded	NPN/NC	Pre-wired	Figure 1
SKC-LM5.0-FKG12-POFF2	5mm	Unshielded	PNP/NO	Pre-wired	Figure 1
SKC-LM5.0-FKG12-PNFF2	5mm	Unshielded	PNP/NC	Pre-wired	Figure 1
SKC-LM5.0-FKG12-NOFF2	5mm	Unshielded	NPN/NO	Pre-wired	Figure 1
SKC-LM5.0-FKG12-NNFF2	5mm	Unshielded	NPN/NC	Pre-wired	Figure 1