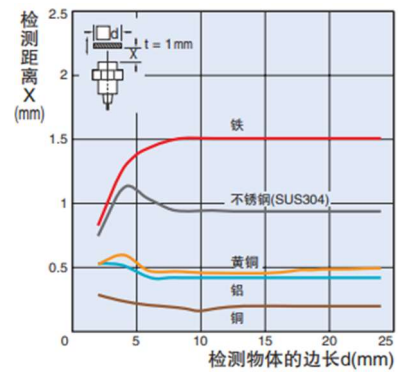




Figure 1

■ Functional characteristic curve



■ Ordering Information

| | | | |
|--|------------------|--|--------------------|
| Item | Size | M5 | |
| | Type | Shielded | Unshielded |
| | Model | SKC-LF1.0-FKG05-XXXX | SKC-LM2-FKH05-XXXX |
| Sensing distance | | 1mm | 1.5mm |
| Setting distance | | 0 to 0.6 mm | 0 to 1.2mm |
| Detectable object | | Ferrous metal | |
| Standard sensing object(mild steelST37) | | 5 × 5 × 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 | ---- | |
| | Connector model | See the accessories 3pin | |
| Material | Case | Stainless steel SUS 303 | |
| | Sensing surface | PBT | |
| | Cable | Standard cable PVC | |

■ Parameter

| Model | Sensing distance | Installation | Output type | Connection mode | drawing |
|-----------------------|------------------|--------------|-------------|-----------------|----------|
| SKC-LF1.0-FKG05-PODF2 | 1mm | Shielded | PNP/NO | Connector | Figure 1 |
| SKC-LF1.0-FKG05-PNDF2 | 1mm | Shielded | PNP/NC | Connector | Figure 1 |
| SKC-LF1.0-FKG05-NODF2 | 1mm | Shielded | NPN/NO | Connector | Figure 1 |
| SKC-LF1.0-FKG05-NNDF2 | 1mm | Shielded | NPN/NC | Connector | Figure 1 |
| SKC-LM1.5-FKG05-PODF2 | 1.5mm | Unshielded | PNP/NO | Connector | Figure 1 |
| SKC-LM1.5-FKG05-PNDF2 | 1.5mm | Unshielded | PNP/NC | Connector | Figure 1 |
| SKC-LM1.5-FKG05-NODF2 | 1.5mm | Unshielded | NPN/NO | Connector | Figure 1 |
| SKC-LM1.5-FKG05-NNDF2 | 1.5mm | Unshielded | NPN/NC | Connector | Figure 1 |