

Gear Tooth Sensor

3-Wire DC

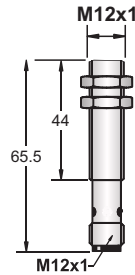
R1

INDUCTIVE
METAL FACE
HALL/MAGNETIC
HIGH/LOW TEMPERATURE
PHOTOELECTRIC
ULTRASONIC
ADAPTIVE
CAPACITIVE
QUICK CONNECT CABLES
CUSTOMIZATION

www.KFCONTROL.COM

Gear Tooth Hall

Gear Tooth Sensor



Diameter		12mm
Type		Back-Bias Hall
Air Gap Minimum		0.5mm
Air Gap Maximum		2.0mm (Speed reduction at longer ranges)
Operating Voltage		6 - 30 vdc
Ripple		<10%
No Load Current		<6mA
Max Load Current		25mA
Leakage Current		<0.01mA
Voltage Drop		<1.5v
Speed Maximum		16KHz
Response Time		6us/6us
Switching Hysteresis		<15%(Sr)
Repeat Accuracy		<3%(Sr)
Enclosure Rating		IP67
Operating Temperature		-40C+110C
Temperature Drift		<10%(Sr)
Protection		Reverse Polarity, SCP
Connection Type		12mm 4-Pin- 3Wire
Material Tube/Face		SST 303
Cable Material		N/A
Product Style	Wiring Diag.	12mm 4-Pin
NPN N.O.	1	KF-100101-NPN-NO
NPN N.C.	2	KF-100101-NPN-NC
PNP N.O.	3	KF-100101
PNP N.C.	4	KF-100101-PNP-NC

Note: See Terminal Connection page for wiring diagram

TERMINAL CONNECTIONS:

Note: For cable version use color code, for connectors use pin numbers

