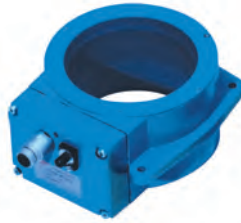


RING SENSORS

HIGH SENSITIVITY RING SENSORS

FEATURES:

- High Sensitivity (0.6mm)
- 10-30VDC Supply
- Detection and Counting Application
- Compact and Robust Design
- Dynamic Sensor Technology
- Various Ring Diameters



RING DIAMETER	50mm (1.97in.)	50mm (1.97in.)	70mm (2.76in.)
SENSITIVITY	0.6mm (0.02in.)	1.0mm (0.04in.)	1.0mm (0.04in.)

Part No.

NPN Output	KJR-D50AN-DNIA-V2	KJR-D50FAN-DNIA-V2	KJR-D70AN-DNIA-V2
PNP Output	KJR-D50AN-DPIA-V2	KJR-D50FAN-DPIA-V2	KJR-D70AN-DPIA-V2

Sensor Data

Output	NO/ NC	NO/ NC	NO/ NC
Switching Frequency	100Hz	100Hz	100Hz
Switching State	LED	LED	LED
Connector	M12, 4 pole	M12, 4 pole	M12, 4 pole

Electrical Data

Operating Voltage	11-30VDC	11-30VDC	11-30VDC
Off-state Current	≤ 25mA	≤ 25mA	≤ 25mA
Max. Load Current	50mA	50mA	50mA
Residual Current	≤ 10μA	≤ 10μA	≤ 10μA
Ripple Voltage	≤ 10%	≤ 10%	≤ 10%
Voltage Drop	≤ 2.4V	≤ 2.4V	≤ 2.4V
Hysteresis	≤ 15%	≤ 15%	≤ 15%

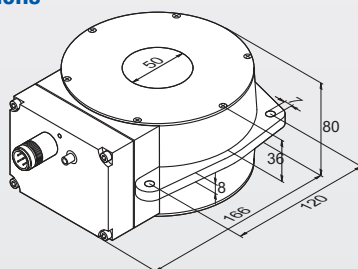
Environmental Data

Operating Temperature	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)
Protection Class	IP54	IP54	IP54
Housing Material	Aluminum	Aluminum	Aluminum

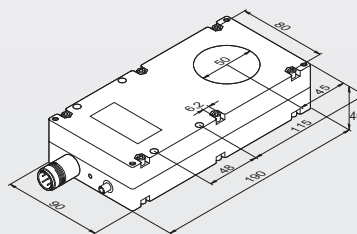
Accessories (page 11)

M12 Connecting Cable	2m	9512-5310	9512-5310	9512-5310
	5m	9512-5312	9512-5312	9512-5312
SDK4 Connecting Cable	2m	-	-	-
	5m	-	-	-
Control Unit	230VAC/ 24VDC	8349005011	8349005011	8349005011
	115VAC/ 24VDC	8349005013	8349005013	8349005013

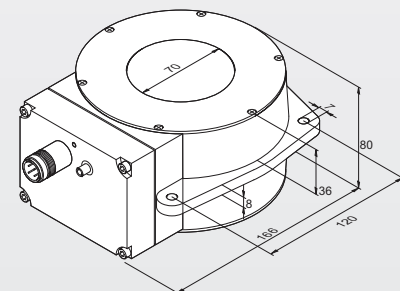
Dimensions



KJR-D50AN-DNIA-V2
KJR-D50AN-DPIA-V2



KJR-D50FAN-DNIA-V2
KJR-D50FAN-DPIA-V2



KJR-D70AN-DNIA-V2
KJR-D70AN-DPIA-V2