



HARTFIEL®
AUTOMATION

Common Products – In Stock and Low Cost

SICK
Sensor Intelligence.



Inductive Sensors

- M8 to M30 body sizes
- IP67 or IP69k ratings
- Sensing range up to 38mm
- -25oC to +75oC Temperature range
- Analog and IO Link variants available
- Safety PL d variants available



Encoders Made in USA

- 5V TTL/RS422, 8...24V TTL/RS422, HTL/Push pull and Open Collector outputs available
- Shaft Size from ½" to 1"
- 120...16,384 pulses per revolution
- Flange, hollow shaft & blind hollow shaft options
- M12, MS connector and flying lead options
- 3-5 day lead time–built in Minnesota



Cylinder Sensors

- Fits common T-slot and C-slot housings
- Single point, two point or full cylinder length measurement available
- MZCG specifically designed for pneumatic grippers & miniature pneumatic cylinders
- Smart 'drop-in' fixing provides quick & secure fit
- LED installation aid to center the sensor
- IP69k and ATEX housings available



Cables

- M8 and M12 connections
- PVC, PUR and PP materials
- Flexibility, sunlight resistance, cable tracks
- IP69k and chemical resistant versions
- Resistant to oils, coolants and lubricants
- Flame resistant and self extinguishing
- High flexibility with over 5 million bending cycles





Inductive Sensors

Part No.	Model Number	Connection	Size	Range	Mounting	Output
1040870	IME08-02BPSZT0S	M8	8mm	2mm	Flush	PNP, NO
1040886	IME08-04NPSZT0S	M8	8mm	4mm	Non Flush	PNP, NO
1040764	IME12-04BPSZC0S	M12	12mm	4mm	Flush	PNP, NO
1040780	IME12-08NPSZC0S	M12	12mm	8mm	Non Flush	PNP, NO
1040966	IME18-08BPSZC0S	M12	18mm	8mm	Flush	PNP, NO
1040982	IME18-12NPSZC0S	M12	18mm	12mm	Non Flush	PNP, NO
1041030	IME30-15BPSZC0S	M12	30mm	15mm	Flush	PNP, NO
1041046	IME30-20NPSZC0S	M12	30mm	20mm	Non Flush	PNP, NO

Encoders

Part No.	Model Number	Connection	Pulses per Revolution	Mounting	Output
1084724	DUS60E-S4KCOCBA	M12, 8 pin	Up to 2,040, selected by dip switch	Solid shaft, face mount flange	TTL/HTL
1065180	DFS25A-A2B1C001024	M12, 8 pin	1,024	Solid shaft, 2.5" square flange	HTL/Push pull
1067524	DFS22A-KFA1C005000	M12, 8 pin	5,000	Blind hollow w/2-pt. stator coupling	TTL/RS-422

Cylinder Sensors

Part No.	Model Number	Connection	Slot Type	Output	Special Features
1059735	MZC1-2V2PS-KP0	M8	C-Slot	PNP, NO	
1059736	MZC1-2V2PS-KQ0	M12	C-Slot	PNP, NO	
1070814	MZT7-03VPS-KP0	M8	T-Slot	PNP, NO	
1070825	MZT7-03VPS-KQ0	M12	T-Slot	PNP, NO	
1091296	MZCG-1Z7PSAKR0	M8	C-Slot	PNP, NO/NC	Small application such as robot end of arm
1087117	MZT8-03VPS-KRT	M8	T-Slot	PNP, NO	Two heads coming back to one cable

Cables

Part No.	Model Number	Stock Level	Connection Side A	Connection Side B	Length	Material	Shielding
2094782	YF8U13-020UA1XLEAX	100	Female, M8, 3-pin, Straight	Flying Leads	2m	PUR	Unshielded
2095885	YF8U13-100VA1XLEAX	100	Female M8, 3-pin, Straight		10m	PVC	
2095962	YG8U14-020VA3XLEAX	100	Female, M8, 4-pin, Angled		2m	PVC	
2095889	YF8U14-050VA3XLEAX	100	Female, M8, 4-pin, Straight		5m	PVC	
2096240	YF2A15-050VB5XLEAX	100	Female, M12, 5-pin, Straight		5m	PVC	
2096241	YF2A15-100VB5XLEAX	100	Female, M12, 5-pin, Straight		10m	PVC	
2096239	YF2A15-020VB5XLEAX	100	Female, M12, 5-pin, Straight		2m	PVC	
2095884	YF8U13-050VA1XLEAX	100	Female, M8, 3-pin, Straight		5m	PVC	
2095618	YF2A15-050UB5XLEAX	100	Female, M12, 5-pin, Straight		5m	PUR	
2095860	YF8U13-020VA1XLEAX	100	Female, M8, 3-pin, Straight		2m	PVC	