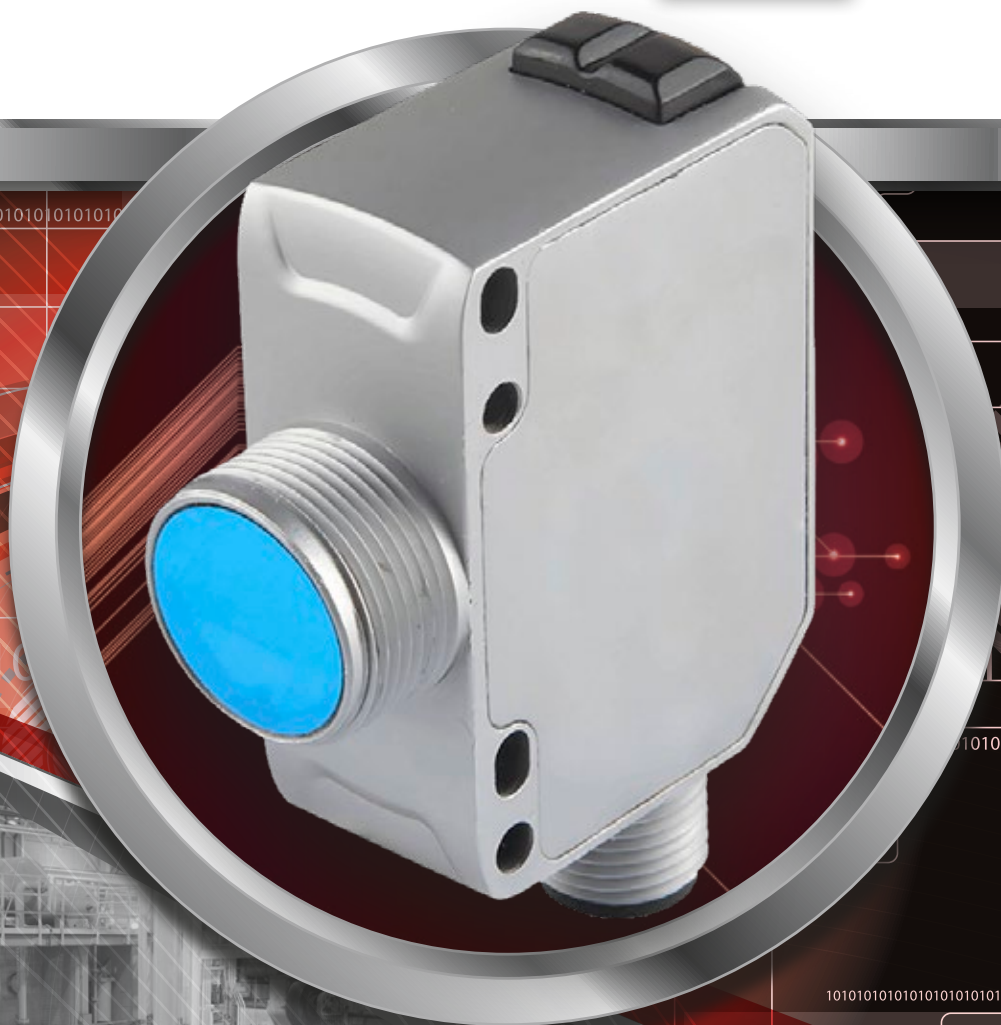


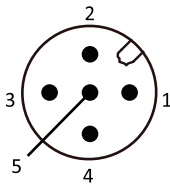


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H45 LASER DISTANCE SENSORS SPECIFICATIONS



PINS



Serial number	Function	Core color of cable type
1	Power +	BN
2	NPN / PNP	WH
3	Power -	BU
4	IO-Link-DIO; NPN / PNP	BK
5	NC	GY

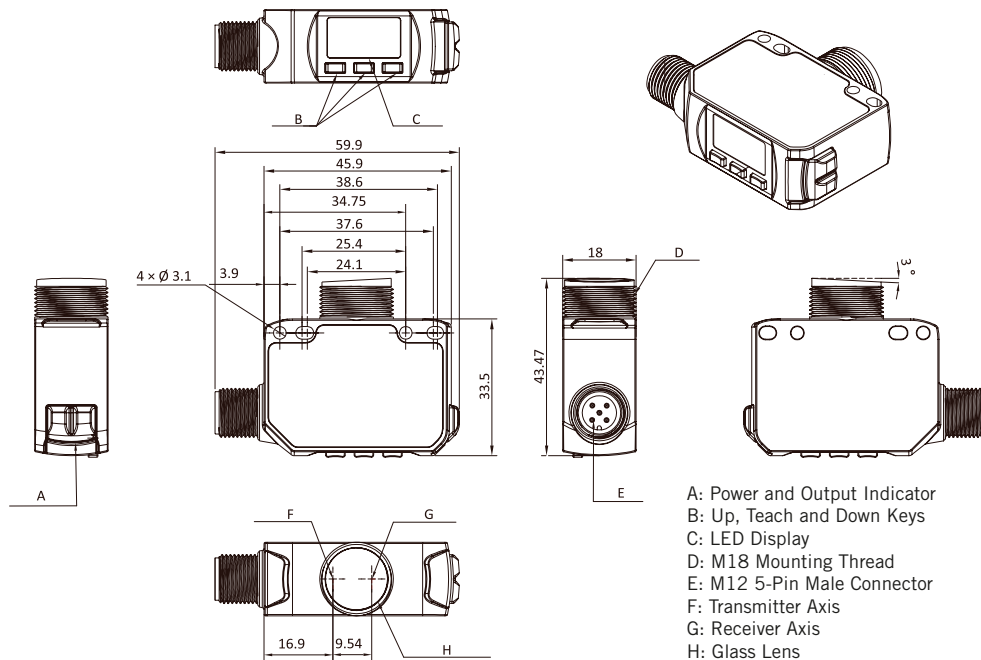
H45-CMOS-0300S-SA-M12-5QD



H45-CMOS-0500S-SA-M12-5QD



TYPE	CMOS Distance Laser Photoelectric	
SENSING MODE	Triangulation	
SENSING RANGE	25-300 mm	25-500 mm
LIGHT SOURCE	Red Laser (633nm) Class 1	Red Laser (650nm) Class 1
LIGHT SPOT SIZE	1.5 x 2 mm @ 300 mm	1.5 mm x 3 mm @ 500 mm
INDICATOR LEDS	Output: Yellow Power: Green	
IO-LINK	Yes V1.2	
SUPPLY VOLTAGE	10-30 V DC	
MAX LOAD CURRENT	<= 100 mA	
NO LOAD CURRENT	<= 25mA	
SHORT CIRCUIT PROTECTION	Yes	
REVERSE POLARITY PROTECTION	Yes	
OUTPUT TYPE	PNP/NPN Selectable	
OPERATION MODE	Light On / Dark On Selectable	
SWITCHING FREQUENCY	400 Hz	
SENSITIVITY ADJUSTMENT	Teachable	
HOUSING MATERIAL	Zinc Alloy	
LENS MATERIAL	Glass	
IP RATING	IP67	
TIMER OPTIONS	Yes (On Delay, Off Delay, One Shot)	
AMBIENT OPERATING TEMPERATURE	-10 °C to +50 °C	
VIBRATION RESISTANCE	EN 60068-2-6	EN 60068-2-7
SHOCK RESISTANCE	EN 60068-2-27	
CABLE OR CONNECTOR	M12 A coded 5 Pin	



THE H45 DISTANCE SENSOR DELIVERS INDUSTRIAL-GRADE ACCURACY AND HIGH-SPEED FLEXIBILITY THROUGH ITS RUGGEDIZED METAL HOUSING AND MULTIPLE RESPONSE MODES (DOWN TO 1.5 MS), ALLOWING FACTORY LINES TO MAINTAIN PRECISE MATERIAL POSITIONING AND QUALITY INSPECTION UNDER DEMANDING CONDITIONS.