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Registration mark sensor in compact stainless steel housing

The registration mark detection sensor in a compact stainless steel housing provides reliable detection of all common registration marks in food packaging applications.

- White LED for stable detection of differently coloured or black print marks
- SUS 316L stainless steel housing
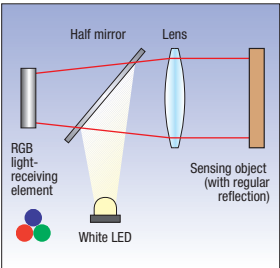- Easy-to-use teach-in button or remote teach
- Fast response time of 50 µs

Ordering information

Sensor type	Sensing distance	Connection method				Order code[*1]	
						NPN output	PNP output
Mark sensor	12±2 mm	–	–	2 m	–	E3ZM-V61 2M	E3ZM-V81 2M
		■	–	–	–	E3ZM-V66	E3ZM-V86

[*1] The output configuration (ON or OFF when mark is detected) is teachable. Common operation is output is ON when mark is detected.
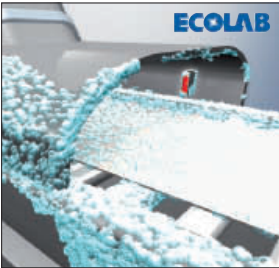
Specifications

Item		E3ZM-V6_
	NPN	E3ZM-V6_
	PNP	E3ZM-V8_
Light source (wave length)		White LED (450 to 700 nm)
Power supply voltage		10 to 30 VDC ±10%, ripple (p-p) 10% max.
Protective circuits		Reversed power supply polarity protection, output short-circuit protection, Reversed output polarity protection, and mutual interference prevention
Ambient temperature	Operating	-25°C to 55°C
	Storage	-40°C to 70°C (with no icing or condensation)
Response time		50 µs
Degree of protection		IEC: IP67, DIN 40050-9: IP69K
Material	Case	SUS316L
	Lens	PMMA (polymethylmethacrylate)
	Display	PES (polyether sulfone)
	Sensitivity adjustment and operation switch	PEEK (polyether ether ketone)
	Seals	Fluoro rubber

Coaxial optical system with white LED

Remote teaching

Detergent resistant

Reliable detection of standard or semi-transparent marks at normal or high speed

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Product	Code	Reference	Product link
	109296	V-212-1C6	Buy on EAN
Proximity sensor, Right Angle M12 PUR cable 5-wire 15m uL	373341	XS2F-M12PUR5A15M-EU	Buy on EAN
Power & Finger Guards	113201	R87F-FG150	Buy on EAN
	140855		Buy on EAN