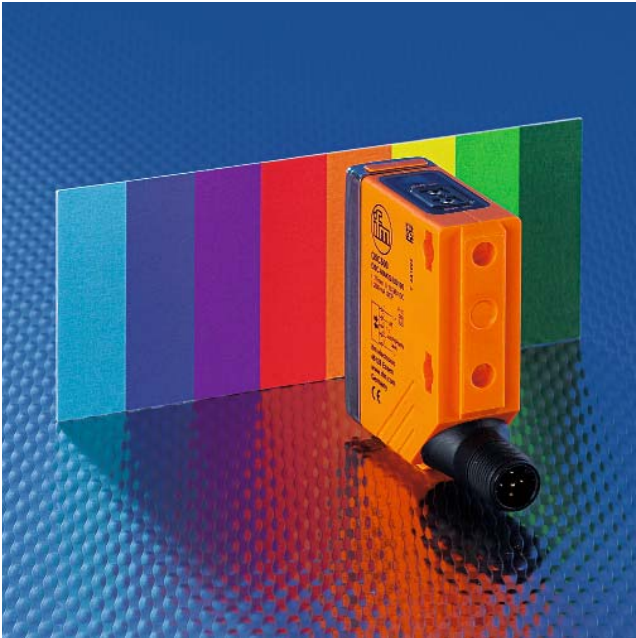**product news**

ifm electronic

Show your colours!
Pick up a bargain.

High-resolution colour sensor at a low price in a compact O5 housing.

- **Recognition, sorting and checking of objects based on their colour.**

- **The 1-point teach method saves time and money during set-up.**

- **5 tolerance steps selectable. Shades of colour are also reliably detected.**

- **High switching frequency of 2,000 Hz.**

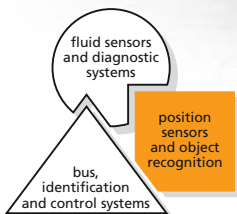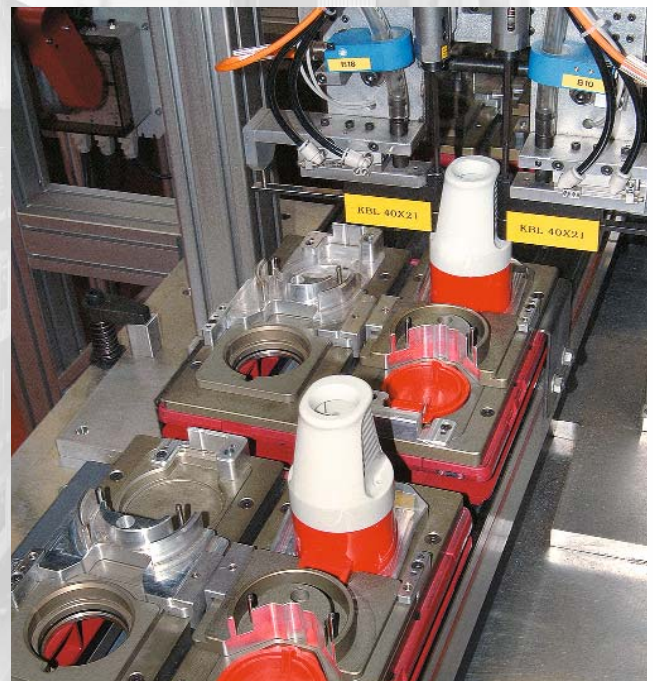- **Extensive range of mounting accessories from the popular O5 series.**

High switching frequency

Rotatable connector

TEACH-IN for simple operation.

Easy-to-use

The colour makes the difference

In industrial processes with a high degree of automation, colour often is a selection criterion for the recognition, sorting or checking of different goods and products. The colour of the products themselves as well as of packaging, labels or imprints can be precisely detected using electronic colour sensors.

Easy set-up

The sensor is set to the colour to be detected with one push of the button. With five selectable tolerance steps, even slightest differences in colour shades as compared to the background or other objects can be distinguished. The autodetect output stage automatically sets the switching output of the sensor to PNP or NPN operation.

fluid sensors and diagnostic systems

position sensors and object recognition

bus, identification and control systems

Applications:
Detection of colour marks or sorting tasks in the packaging, paper and printing industries.

System	Range [mm]	Light spot size [mm]	Output light-on / dark-on mode	Current rating [mA]	Switching frequency [Hz]	Current consumption [mA]	Order no.
M12 connector · 3-wire DC PNP / NPN							
Colour sensor	15...19	2 x 6	programmable	200	2000	< 50	**O5C500**

Accessories

Type	Description	Order no.
	Mounting set for clamp mounting, high-grade stainless steel, diecast zinc	**E21211**
	Mounting set for clamp mounting, high-grade stainless steel	**E21212**
	Clamp for mounting rod, Ø 12 mm, diecast zinc	**E20717**
	Clamp for mounting rod, Ø 12 mm, high-grade stainless steel	**E21110**
	Mounting rod, 100 mm long, Ø 12 mm, M10 thread, stainless steel	**E20938**
	Mounting rod, 200 mm, Ø 12 mm, M10 thread, stainless steel	**E20940**
	Cube for mounting on an aluminium profile, M10 thread, diecast zinc	**E20951**

Further technical data

	Type O5C
Type of light	red light 625 nm green light 525 nm blue light 465 nm
Operating voltage [V]	10...36 DC
Voltage drop [V]	< 2.5
Short-circuit protection, pulsed	•
Reverse polarity / overload protection	• / •
Ambient temperature [°C]	-25...60
Protection	IP 65, IP 67, II
Materials Housing	PA
Lens	PMMA

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 2 m black, PUR cable	**EVC001**
	Socket, M12, 5 m black, PUR cable	**EVC002**
	Socket, M12, 2 m black, PUR cable	**EVC004**
	Socket, M12, 5 m black, PUR cable	**EVC005**
	Socket, M12, 2 m orange, PVC cable	**EVT064**
	Socket, M12, 5 m orange, PVC cable	**EVT001**
	Socket, M12, 2 m orange, PVC cable	**EVT067**
	Socket, M12, 5 m orange, PVC cable	**EVT004**