



VOS110-FFPK

Vision Sensor

VOS110-FFPK

CE

- ◆ Reliable detection of the edge profile
- ◆ Compact design
- ◆ Integrated illumination



General specifications

Object distance	250 mm +/- 40 mm
Light source	Laser line projector red
Laser class	2
Light type	Red light
Optical resolution	1 mm
Sampling frequency	10 images/sec
Resolution	< 1 mm

Nominal ratings

Camera	
CCD type	progressive scan
Number of pixels	640 x 480 pixels
Grey scale	256

Indicators/operating means

Operating display	LED green: Ready for operation
Operating elements	none

Electrical specifications

Operating voltage	24 V DC ± 20 %
No-load supply current I ₀	150 mA

Output

Signal output	4 x PNP Break function +X, -X, +Y, -Y
Switching voltage	24 V each output
Switching current	max. 100 mA each output
Switching frequency f	10 evaluations/s

Ambient conditions

Ambient temperature	0 ... 45 °C (273 ... 318 K)
Storage temperature	-20 ... 60 °C (253 ... 333 K)
Shock resistance	< 50 g
Vibration resistance	< 3 G , 11 ... 200 Hz

Mechanical specifications

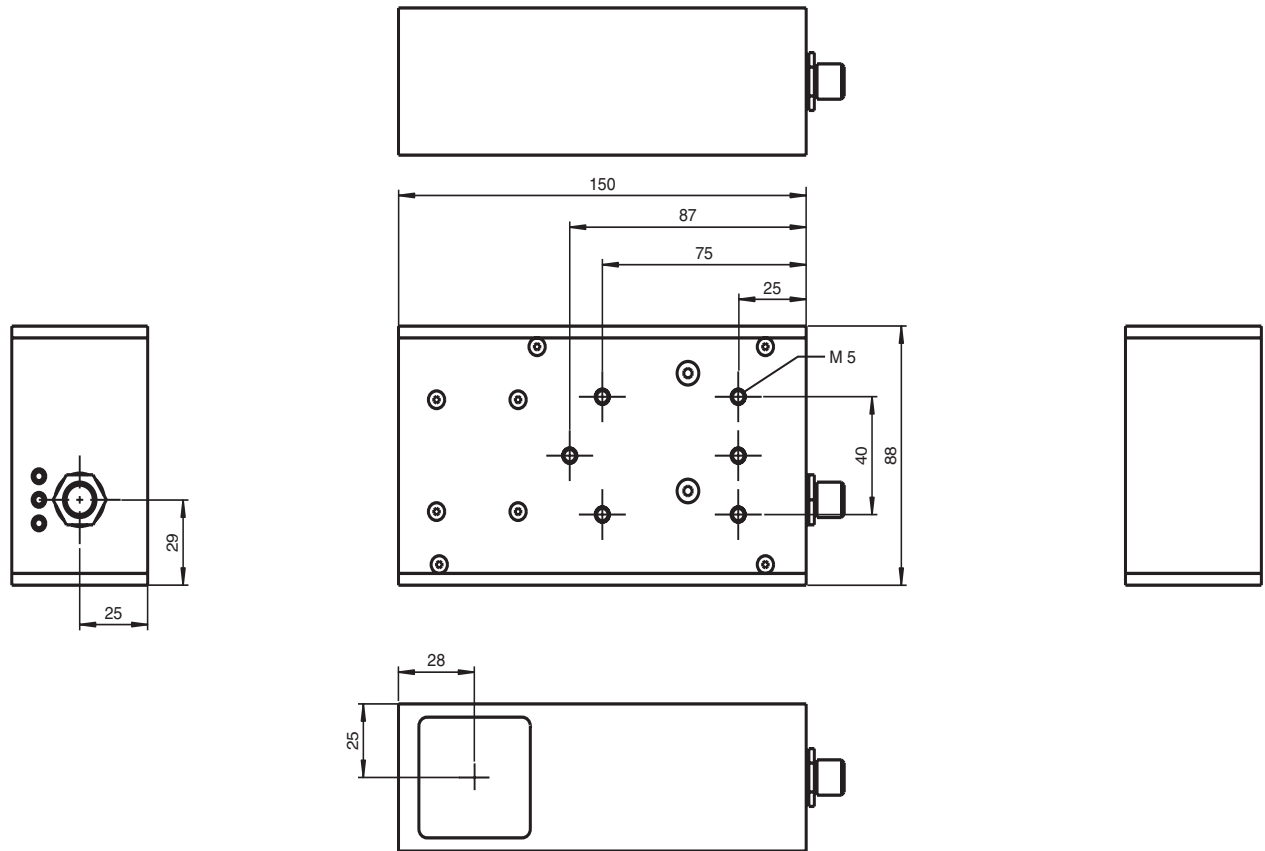
Connection	M8 connector, 4-pin , M12 connector, 8-pin
Material	
Housing	anodised aluminium
Optical face	plastic
Mass	1000 g

Release date: 2006-05-04 14:49 Date of issue: 2006-05-04 184804_ENG.xml

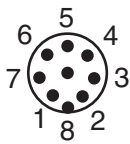


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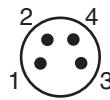
Dimensions



Electrical connection



Pin	Signal	
1	n. c.	(white)
2	+ 24 V DC	(brown)
3	- X	(green)
4	+ X	(yellow)
5	- Y	(grey)
6	+ Y	(pink)
7	GND	(blue)
8	n. c.	(red)



Pin	Signal	
1	Rx -	(brown)
2	Rx +	(white)
3	Tx -	(blue)
4	Tx +	(black)