



VOS107-SE

Vision Sensor

# VOS107-SE

CE



- ◆ **Reliable detection of weld seams and incorrect marking**
- ◆ **short response time**
- ◆ **Robust and insensitive to ambient interference**
- ◆ **Simple installation**
- ◆ **Integrated illumination**

Release date: 2006-02-22 10:52 Date of issue: 2006-05-03 180216\_ENG.xml

**General specifications**

Object distance	55 mm +/- 10 %
Light source	2 LED Rows
Target velocity	max. 2 m/s
Angle deviation	+/- 5 °
Light type	White light
Optical resolution	< 1 mm
Sampling frequency	10 images/sec

**Nominal ratings**

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

**Indicators/operating means**

Operating display	LED green
Function display	LED yellow: Sheet present LED red: Marking detected
Operating elements	none

**Electrical specifications**

Operating voltage	24 V DC ± 20 %
No-load supply current I <sub>0</sub>	max. 450 mA

**Interface**

Interface type	serial , RS 232
Transfer rate	max. 115.2 kBit/s

**Output**

Signal output	PNP optically decoupled , short-circuit/overload protected
Switching voltage	24 V each output
Switching current	max. 100 mA each output
Pulse extension	approx. 100 ms

**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	M12 connector, 5 pin ; M8 connector, 4-pin 4-pin
Material	
Housing	anodised aluminium
Optical face	Plastic pane
Mass	approx. 1400 g

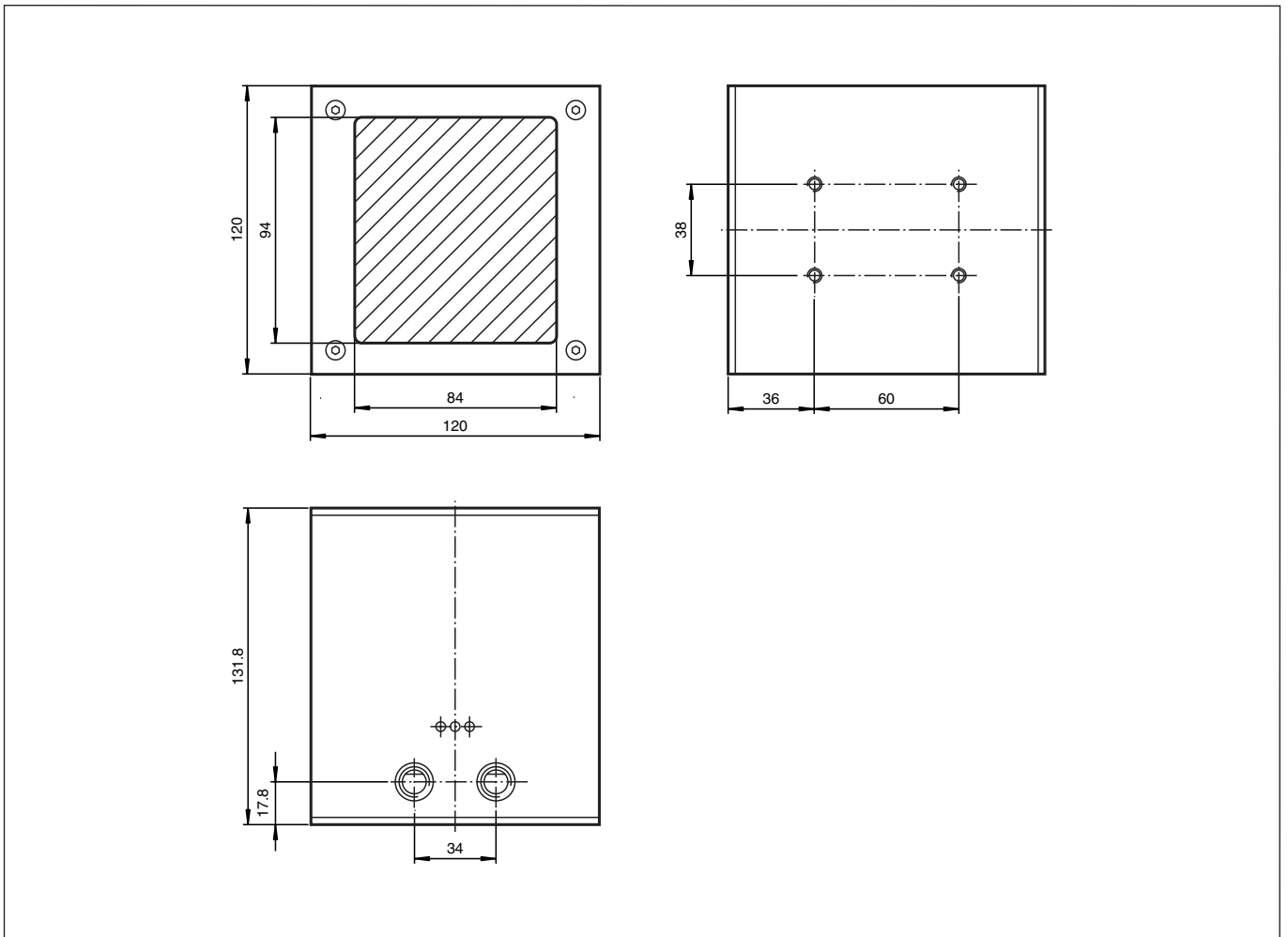
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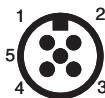
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Dimensions



Electrical connection

5-pin M12 plug  
(power supply and PLC interface)



Pin	Signal	Colour
1	+24V	(brows)
2	Output BV	(white)
3	GND	(blue)
4	OutputME	(black)
5	Input IN_SORTE	(grey)

4-pin M8 plug  
(RS232 parameterisation interface)



Pin	Signal	Colour
1	(free)	
2	RxD	(white)
3	GND	(blue)
4	TxD	(black)

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