



VOS110-FFPL

Vision Sensor

VOS110-FFPL

CE



- ◆ Detects the position of an index hole
- ◆ Integrated contrast compensation
- ◆ high-grade steel housing M30
- ◆ Simple mounting
- ◆ Integrated illumination

Release date: 2006-02-22 14:01 Date of issue: 2006-05-03 184805_ENG.xml

General specifications

Object distance	100 ... 200 mm
Light source	LED Ring
Object size	Hole diameter 4 ... 6 mm
Light type	White light
Optical resolution	0.15 mm
Sampling frequency	10 images/sec
Resolution	< 1 mm
Capture range	40 mm x 30 mm

Nominal ratings

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

Indicators/operating means

Operating display	none
Function display	none
Operating elements	none

Electrical specifications

Operating voltage	24 V DC ± 20 %
No-load supply current I ₀	70 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

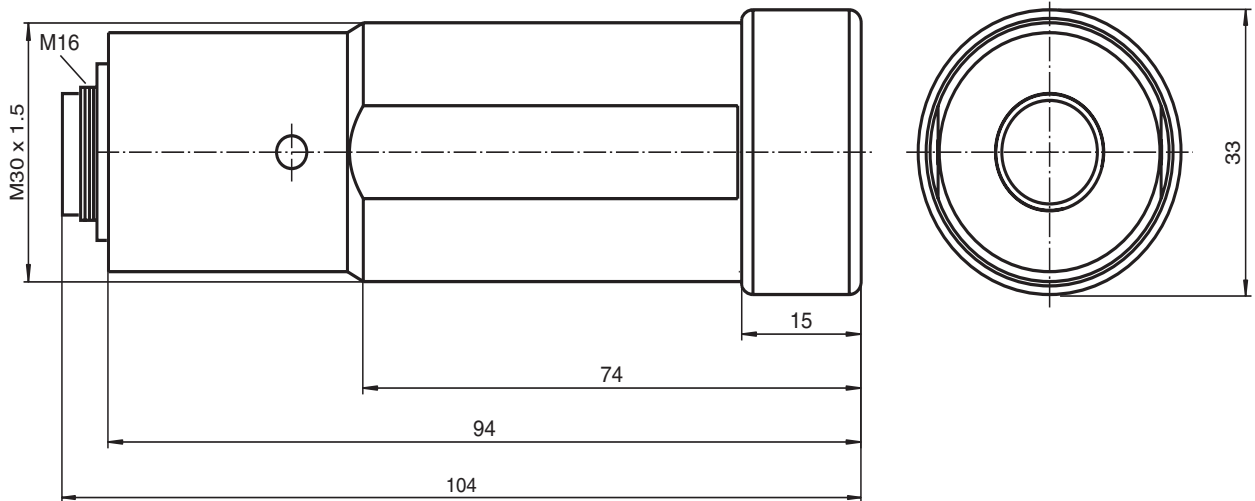
Connection	12 pin round connection(Binder, Serie 423)
Material	
Housing	Stainless steel
Optical face	Glass
Mass	150 g

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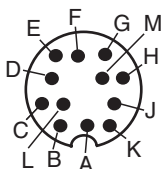


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Dimensions



Electrical connection



Pin	Colour	Signal
A	pink	IN 1 (free)
B	green	V24 Tx
C	yellow	V24 Tx+
D	white	V24 Rx-
E	brown	V24 Rx+
F	blue	+X
G	violet	- X
H	grey/pink	+Y
J	red/blue	-Y
K	grey	IN 0 (free)
L	black	GND
M	red	+24V