

SMART-VS

959970005

Smart-VS-PL-5-150-WH-O
SMART-VS

OVERVIEW

- Smart-VS^{+} model available to handle more images and more connectivity features
- Machine Learning Assisted Setting
- No vision Tools programming required
- No need of skilled installers just photosensor like setting
- Deterministic response time 50 ms (Standard model -MR-)
- Deterministic response time 20 ms (PLUS model -PL- depending on n. of images)
- 50...150 mm detection distance
- TEACH Button and comprehensive UI with 5 status LEDs
- Electronic focus control

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	150mm
Sensitivity adjustment	Teach-in/Web Server GUI
Minimum sensing distance (blind zone)	50mm

Application

Description	Compact block style case

Optic position	Radial 90°
Functions	Object detection and positioning

Outputs

Output type	NPN/PNP/PUSH PULL, Ethernet
Output Function	Data Valid / GOOD / NO GOOD
Switching frequency	>= 20ms (depending on number of learned images)
Response time	20 ms minimum (higher depending learned GOOD / NO GOOD images

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	0.40 - 0.14 A
Power consumption	0.40 - 0.14 A (4.2 W)
Load current	≤100mA
Leakage current	≤ 300 µA
Output voltage drop	100 mA
Max ripple content	≤10%
LED indicators	green RUN / green GOOD / yellow TRIGGER / red NO GOOD
Emission	Illuminator LED white polarized + Red LED poiters + Green spot (Red LED / Green LED Dots)
Interference to external light	according to EN 60947-5-2 : 2020

Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C…+70°C
shaft material	Rubber
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE CSS
EMC compatibility	EN 60947-5-2
Shocks and vibrations	0.5 mm amplitude, 10 … 55 Hz frequency, for every axis (EN60068-2-6)

Generical Data

CPU	Sistem On Chip
Camera Interface	10/100 Mbit/s Ethernet
Dimensions	47x58x38
Operating Temperature	-10°C ... +50°C

Mechanical Protection	IP67 / IP65
Resolution	320x240 pixels
Imager	1/3" CCD
Shutter	Rolling
Frame rate (FPS)	20

Optical Data

Mono/Color	Monochrome

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