

S65-W

954201010

S65-PA-5-W09-NHZ

ADVANCED COLOR AND CONTRAST SENSORS IN COMPACT CASE

OVERVIEW

Color S65-V:

- 3 independent NPN or PNP outputs and RS 485 serial interface
- 3 channel color sensor with 10 tolerance levels
- Wide spectrum white light LED emission and RGB photo-receiver
- 2 push button setting with 4 digit display indicator

Contrast S65-W:

- High 12 bit resolution and 30 kHz switching frequency
- PNP or NPN output and RS 485 serial interface

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	15mm
Spot dimension	3x1 mm at 19 mm
Sensitivity adjustment	Teach-in

Application

Function Principle	Contrast mark detection

Description	Compact square case
Optic position	Radial 90°
Functions	Contrast mark detection

Outputs

Output type	NPN, RS485
Switching frequency	30 kHz
Response time	0,017 (30kHz)

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 50mA
Load current	≤100mA
Output voltage drop	≤ 2VDC
LED indicators	Yellow (output state) STABILITY and 2 OUTPUT DELAY LEDs
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED white
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

Dimensions	25x50x50
Material	
Housing material	Plastic - ABS / PMMA
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 20°C…+70°C
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE cULus
Shocks and vibrations	0.5 mm amplitude, 10 … 55 Hz frequency, for every axis (EN60068-2-6)

Generical Data

Dimensions	25x50x50
Operating Temperature	- 10°C…+ 55°C
Mechanical Protection	IP67

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

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