



S65-V

956251110

S65-PA-5-V19-NNN

**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	45mm
Spot dimension	Ø 4 mm
Sensitivity adjustment	Teach-in

Application

Function Principle	Color detection
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Description	Compact square case
Optic position	Radial 90°
Functions	Color detection

Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable
Switching frequency	100 Hz (norm) and 500 Hz (fast)
Response time	1

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 60mA
Load current	≤100mA
Output voltage drop	≤ 2VDC
LED indicators	Yellow (output state) green 4-digit display, 3 OUTPUT STATUS 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

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