



## S65-W

954201000

### S65-PA-5-W09-NH

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	20mm
Spot dimension	3x1 mm at 19 mm
Sensitivity adjustment	Teach-in

#### Application

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

#### Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable
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
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Contact resistance	500 Vac 1 min., between electronics and housing
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#### Mechanical data

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

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

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