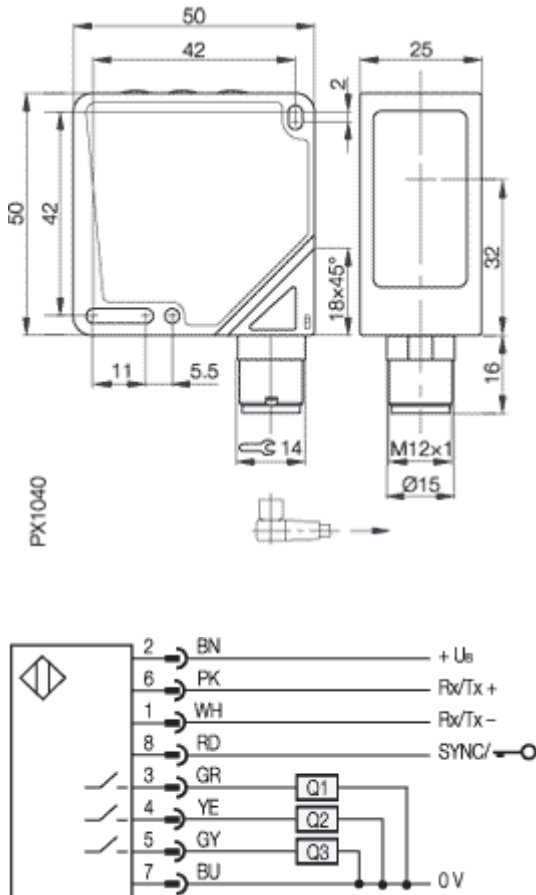


Color Sensor
BFS 27K-PSR-L01-S115



Description

- 3-channel white light color sensors with display for ease of operation
- 335 µs response time and 1.5 kHz switching frequency for fast-running processes
- 2 modes and 10 tolerance levels per channel for exact evaluation
- Serial RS485 interface for connecting to the control level and visualization of the outputs

Specifications

Working distance Diffuse	5...45 mm
Output current	100 mA
Supply voltage U _B	10...30 V DC
Voltage drop U _d at I _e	≤ 2 V
Ambient temperature range	-10...55°C
Emitter, light type	white light LED (400-700nm)
Light spot diameter	≥ 4 mm
Tolerance levels	10 per channel (adjustable)
Display	4-digit 7-segment green
Output function indication	LED yellow
Output indication	3 × LED green
Ripple	≤ 2 V
No-load supply current	≤ 60 mA
Output	3 × PNP
Switching type	light-on
Response time	335 µs
Frequency of operating cycles f	1500 Hz
Protected against polar. reversal	yes
Short circuit protected	yes
Degree of protection	IP 67
Dimensions	50×50×25 mm
Connection	M12 connector, 8-pin
Recommended connector	BKS-S139
Housing / Lens material	ABS / Glass
Weight	100 g

Particular Characteristics

Teach-in, seriell interface RS485

Balluff GmbH
Postfach 1160
73761 Neuhausen
Telefon (07158) 173-0
Telefax (07158) 5010

Color Sensor

BFS 27K-PS-L01-S115



Description

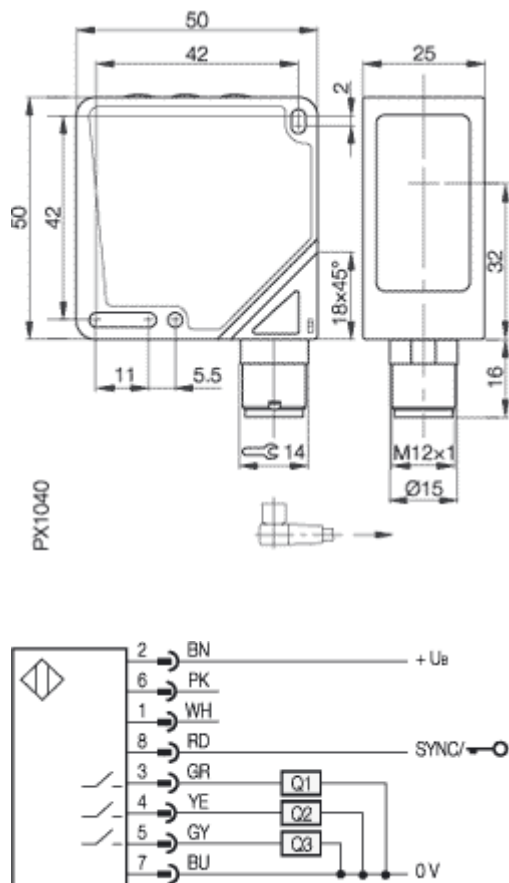
- 3-channel white light color sensors with display for ease of operation
- 335 μ s response time and 1.5 kHz switching frequency for fast-running processes
- 2 modes and 10 tolerance levels per channel for exact evaluation

Specifications

Working distance Diffuse	5...45 mm
Output current	100 mA
Supply voltage U_B	10...30 V DC
Voltage drop U_d at I_e	≤ 2 V
Ambient temperature range	-10...55°C
Emitter, light type	white light LED (400-700nm)
Light spot diameter	≥ 4 mm
Tolerance levels	10 per channel (adjustable)
Display	4-digit 7-segment green
Output function indication	LED yellow
Output indication	3 $\times$ LED green
Ripple	≤ 2 V
No-load supply current	≤ 60 mA
Output	3 $\times$ PNP
Switching type	light-on
Response time	335 μ s
Frequency of operating cycles f	1500 Hz
Protected against polar. reversal	yes
Short circuit protected	yes
Degree of protection	IP 67
Dimensions	50 $\times$ 50 $\times$ 25 mm
Connection	M12 connector, 8-pin
Recommended connector	BKS-S139
Housing / Lens material	ABS / Glass
Weight	100 g

Particular Characteristics

Teach-in



Balluff GmbH
Postfach 1160
73761 Neuhausen
Telefon (07158) 173-0
Telefax (07158) 5010