

FP04PCT80

Part Number

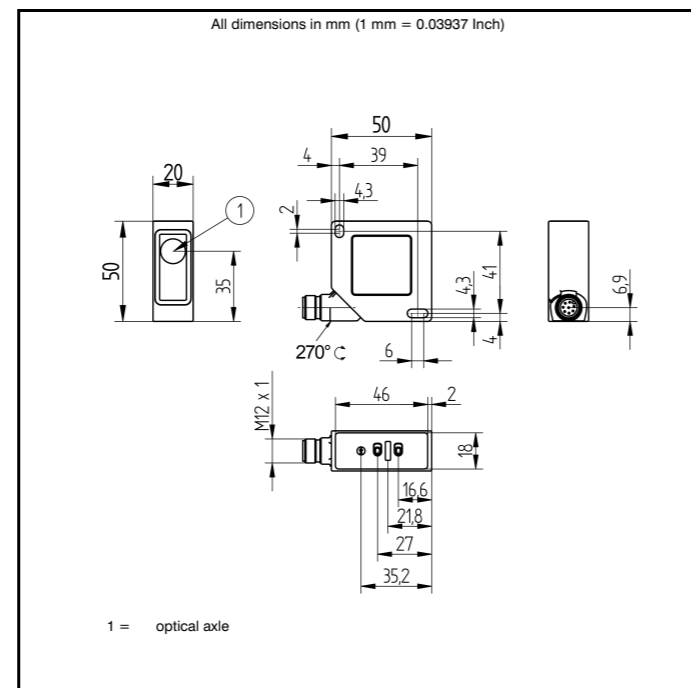


Technical Data

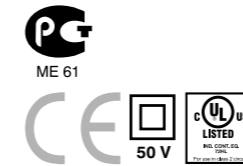
Optical Data	
Working Range	30...40 mm
Working Distance	35 mm
Light Source	White Light
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Light Spot Diameter	2 mm
Electrical Data	
Supply Voltage	10...30 V
Current Consumption (U _b = 24V)	< 50 mA
Switching Frequency	1660 Hz
Response Time	300 μs
On-/Off-Delay	0...1 s
Temperature Range	-25...60 °C
Switching Outputs	3
Switching Output Voltage Drop	1.5 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Teach Mode	FT
Interface	RS-232
Baud Rate	38400 Bd
Protocol	8 N 1
Digital Inputs	2
Mechanical Data	
Adjustment	Teach-In
Housing	Plastic
Degree of Protection	IP 67
Connection	M12 x 1
Protective Insulation, Rated Voltage	50 V

- Extremely fine color nuances can be recognized
- Reflex mode operation
- RGB signal via the RS-232 Interface
- Teach-In and external Teach-In

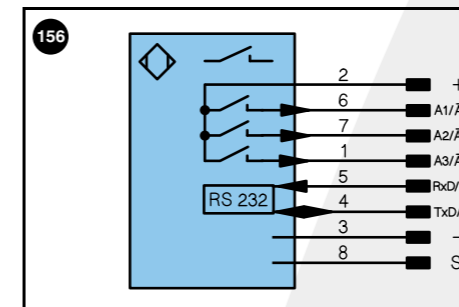
This color sensor is capable of evaluating up to three colours simultaneously. A small spot and a large working range are made possible thanks to single-lens optics. All sensor settings can be selected by means of Teach-In, as well as via the RS-232 interface. Values generated by the sensor can be read out via the interface or digital switching outputs. The sensor has 3 PNP switching outputs and supplies RGB color values via the interface.



Specifications are subject to change without notice
09/06



Plug Version	Part Number
PNP NO/NC switchable	●
RS-232 Interface	●
Connection Diagram No.	156
Control Panel No.	P-4
Suitable Plug No.	80

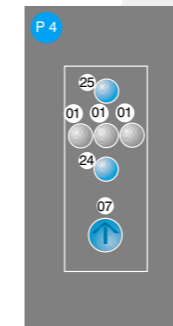


Legend		Wire colors according to DIN IEC 757
+	Power supply "+"	BK black
-	Power supply "0V"	BN brown
~	Power supply (AC Voltage)	RD red
A	Switching output (1,2,3...) / NO	OG orange
Ä	Switching output (1,2,3...) / NC	YE yellow
V	Contamination / Error output (NO)	GN green
∇	Contamination / Error output (NC)	BU blue
E	Input (analog or digital)	a Valve control output "+"
T	Teach input	b Valve control output "0V"
Z	Time delay (activation)	SY Synchronization
S	Shielding	E+ Receiver-Line
Rd	RS-232 receive path	S+ Emitter-Line
TxD	RS-232 send path	⚡ Grounding
RDY	Ready	S&R Switching Distance Reduction
GRD	Ground	USB+ USB data +
CL	Clock	USB- USB data -
E/A	Output/Input programmable	Ⓜ Interfaces-Bus A(+)/B(-)
		La Emitted light disengageable
		VT violet
		GY grey
		WH white
		PK pink
		GNYE green yellow

Accessories

- Mounting Bracket WP
- Serial Interface Adapter S232W3

Ctrl. Panel



- 01 = Switching Status Indicator
- 07 = Selector Switch
- 24 = Plus Button
- 25 = Minus Button