CE

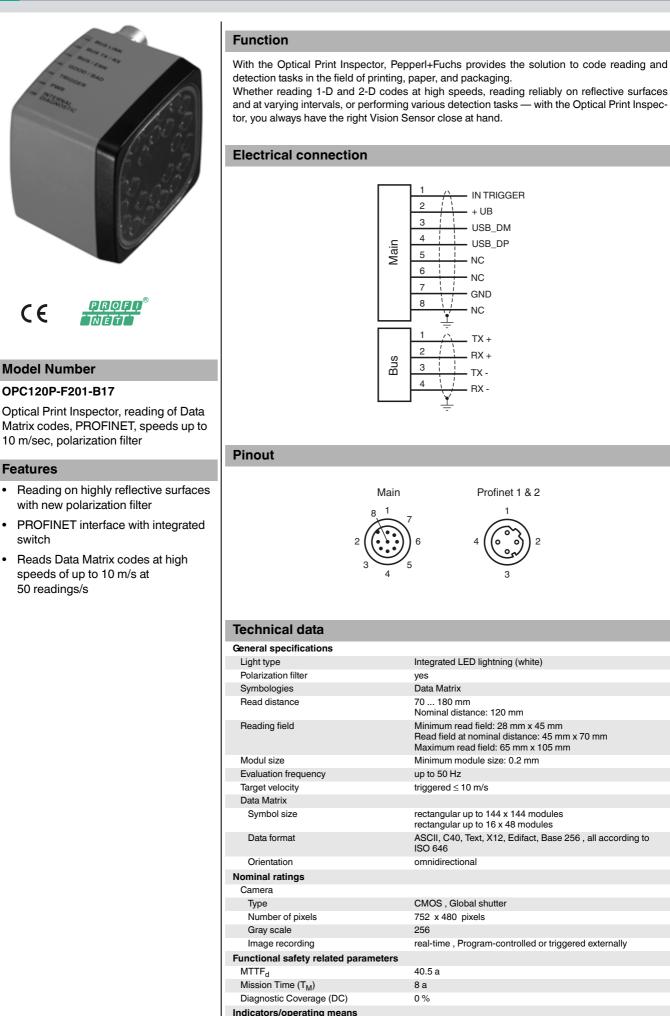
Features

switch

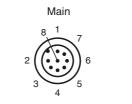
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IN TRIGGER + UB USB_DM USB_DP NC NC GND NC TX + RX + TX -





Profinet 1 & 2

RX -

General specifications		
Light type	Integrated LED lightning (white)	
Polarization filter	yes	
Symbologies	Data Matrix	
Read distance	70 180 mm Nominal distance: 120 mm	
Reading field	Minimum read field: 28 mm x 45 mm Read field at nominal distance: 45 mm x 70 mm Maximum read field: 65 mm x 105 mm	
Modul size	Minimum module size: 0.2 mm	
Evaluation frequency	up to 50 Hz	
Target velocity	triggered ≤ 10 m/s	
Data Matrix		
Symbol size	rectangular up to 144 x 144 modules rectangular up to 16 x 48 modules	
Data format	ASCII, C40, Text, X12, Edifact, Base 256 , all according to ISO 646	
Orientation	omnidirectional	
Nominal ratings		
Camera		
Туре	CMOS, Global shutter	
Number of pixels	752 x 480 pixels	
Gray scale	256	
Image recording	real-time, Program-controlled or triggered externally	
Functional safety related parameters		
MTTF _d	40.5 a	
Mission Time (T _M)	8 a	
Diagnostic Coverage (DC)	0 %	
Indicators/operating means		
LED indicator	7 LEDs (communication, alignment aid, status information)	

Release date: 2016-05-04 08:56 Date of issue: 2018-06-14 261656_eng.xml

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group USA: +1 330 486 0001 www.pepperl-fuchs.com

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Electrical specifications

Operating voltage No-load supply current Power consumption

Interface Interface type

Protocol Transfer rate

Output

Switching type Switching voltage Switching current Cable length

Ambient conditions

Ambient temperature Storage temperature Relative humidity **Mechanical specifications**

Degree of protection Connection

Material

Housing Optical face

Installation

Mass

Compliance with standards and directi-

ves

Standard conformity Noise immunity Emitted interference Degree of protection

Laser class

UL approval

CCC approval

Approvals

 U_B $24~V~DC \pm 15\%$, PELV max. 300 mA P_0 6 W

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100 BASE-TX PROFINET IO Real-Time (RT) Conformance class A 100 MBit/s

PNP to be applied externally 24 V \pm 15 % PELV 100 mA each output max. 30 m

0 ... 45 °C (32 ... 113 °F) -20 ... 85 °C (-4 ... 185 °F) 90 %, noncondensing

IP65 8-pin, M12x1 connector, standard (supply+IO) , 4-pin, M12x1 socket, D-coded (LAN) , 4-pin, M12x1 socket, D-coded (LAN)

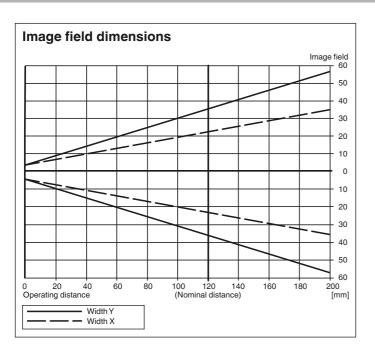
PC/ABS Plastic pane 4 x M6 threading approx. 200 g

EN 61326-1:2006 EN 61000-6-4:2007/A1:2011 EN 60529 IEC 60825-1:2007

cULus Listed, General Purpose, Class 2 Power Source, Type 1 enclosure CCC approval / marking not required for products rated ${\leq}36~V$ CE

Curves / Diagrams

Approvals and certificates



V1SD-G-2M-PUR-ABG-V45-G Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

V1SD-G-2M-PUR-ABG-V45X-G Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

V19-G-ABG-PG9

Accessories

PUR cable

V19-G-2M-PUR-ABG

Female connector, M12, 8-pin, shielded, field attachable

Female cordset, M12, 8-pin, shielded,

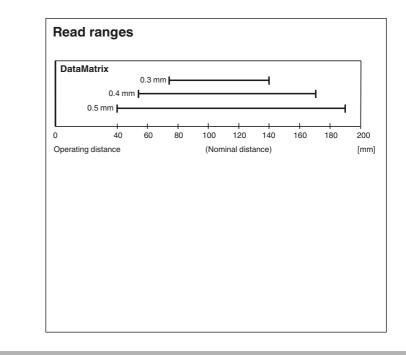
V19-G-0,2M-YOPC-0,2M-V1S/V31-G Y connection cable

Other suitable accessories can be found at www.pepperl-fuchs.com

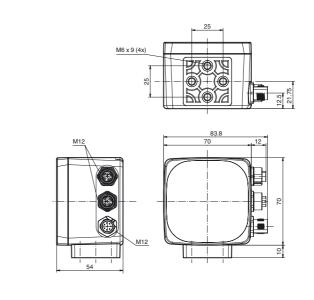
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Dimensions



Indicators/Controls

The Optical Print Inspector is equipped with seven indicator LEDs for carrying out visual function checks and rapid diagnostics. In addition, the device is fitted with two buttons on the back of the unit.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

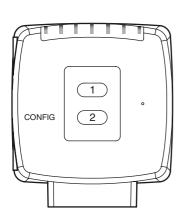
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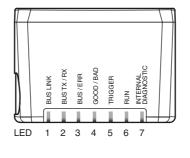
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LED	Color	Label	Description
1	Green	BUS Link	PROFINET connection activated
2	Yellow	BUS TX / RX	PROFINET data transfer
3	Red	BUS / ERR	PROFINET communication error
4	Green/red	GOOD / BAD	Reading successful/failed
5	Yellow	TRIGGER	Trigger sensor triggered
6	Yellow	RUN	Device ready for operation
7	Red/yel-	INTERNAL	Diagnostic message
	low/green	DIAGNOSTICS	

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