

**Model number****WCS2B-LS311**

Reading head, SSI interface, Gray code

Features

- SSI interface
- Non-contact, absolute position encoder
- Automatic detection of dirt accumulation

Accessories**WCS-MP1**

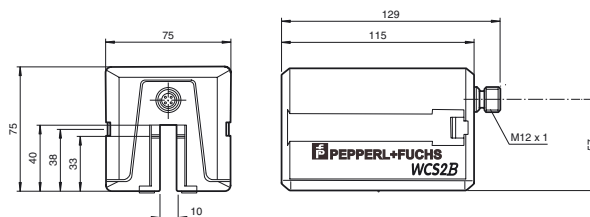
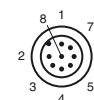
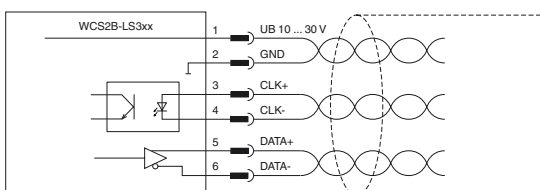
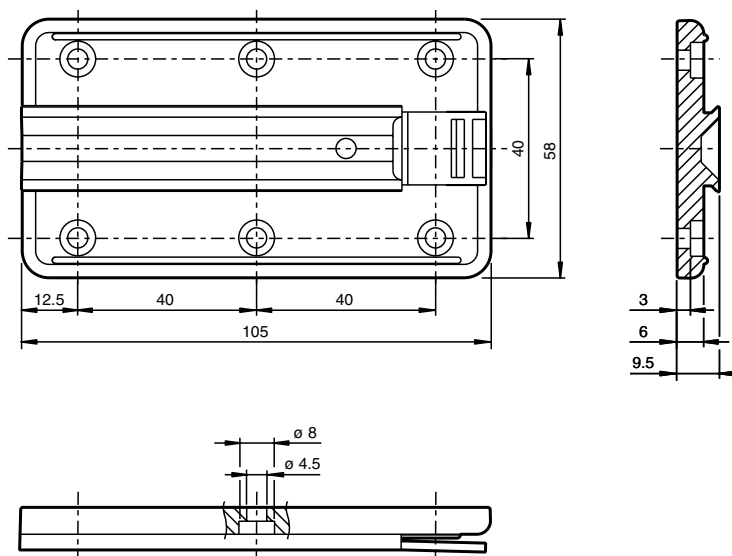
Mounting plate for reading heads WCS2 and WCS3

WCS2-PL2

Transparent protective case and seal for WCS2 reader

Note

with SSI interface

Dimensions**Mounting plate****Technical data****General specifications**

Passage speed	v	≤ 12.5 m/s
Measuring range		max. 327 m
Free tolerances to code rail		horizontal: 10 mm (± 5 mm) vertical: 10 mm (± 5 mm)
Resolution		± 0.42 mm (1,200 positions/m)

Functional safety related parameters

MTTF _d	170 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Electrical specifications

Operating voltage	U _B	10 ... 30 V DC
Power consumption	P ₀	2 VA with Option H, heating: 9 VA at 24 V DC

Interface

Interface type	SSI interface
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Data output code	Gray code , 25 bit
Clock frequency	100 ... 1000 kHz
Pause time	tp ≥ 20 µs double request possible, if $t_p \leq 10 \mu s$
Standard conformity	
Emitted interference	DIN EN 61000-6-4
Noise immunity	DIN EN 61000-6-2
Shock resistance	DIN EN 60068-2-27, half sine 30 g, 18 ms
Vibration resistance	DIN EN 60068-2-6, sine, 5 g, 10 - 2000 Hz, 10 cycles
Ambient conditions	
Operating temperature	0 ... 60 °C (32 ... 140 °F) with Option H, heating: -40 ... 60 °C (-40 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	90 % , noncondensing
Mechanical specifications	
Connection type	8-pin, M12 x 1 connector
Degree of protection	IP54
Material	
Housing	ABS , Polycarbonate , Polyamide (PA)
Mass	500 g
General information	
Ordering information	Mounting plate included with delivery