

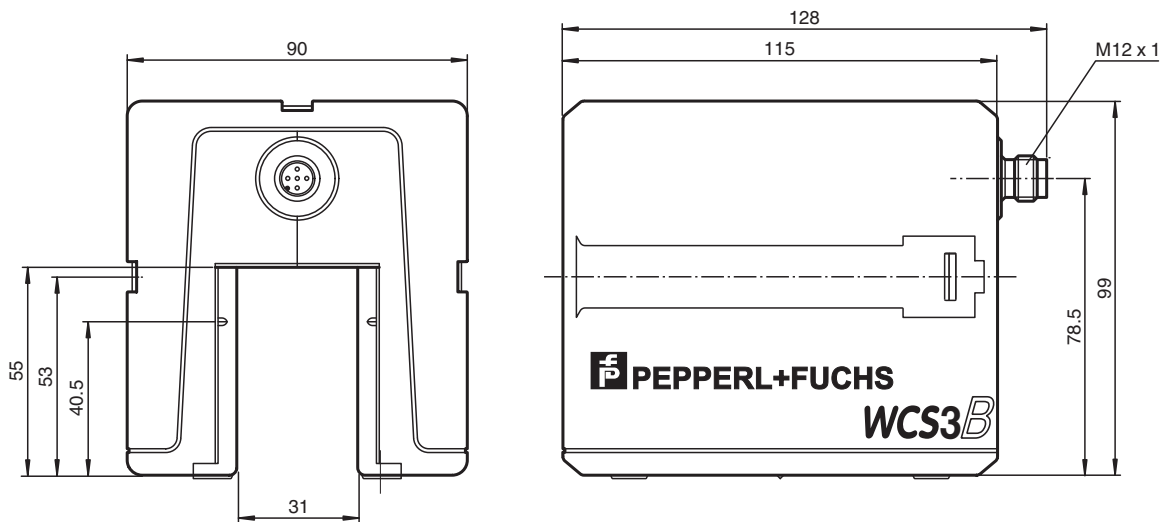


Read head WCS3B-LS410H

- CANopen interface
- Non-contact, absolute position encoder
- Automatic detection of dirt accumulation
- Extended temperature range



Dimensions



Release date: 2023-10-09 Date of issue: 2023-10-09 Filename: 199290-0041_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

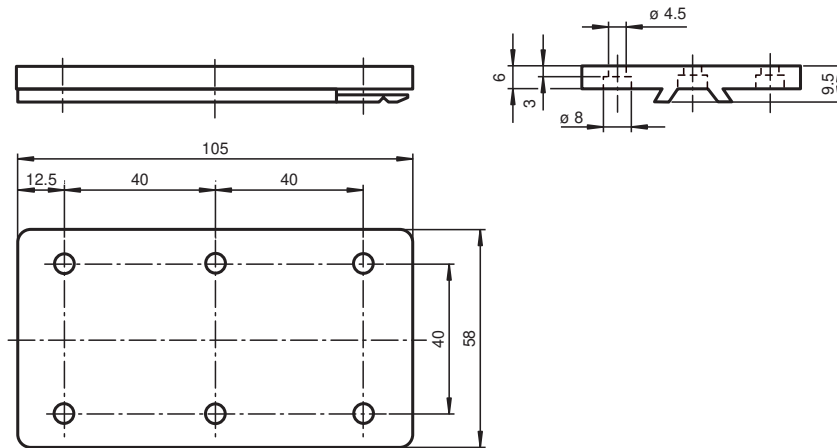
USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Dimensions



Technical Data

General specifications

Passage speed	v	≤ 12.5 m/s
Measuring range		max. 314.5 m
Free tolerances to code rail		horizontal: 31 mm (± 15.5 mm) vertical: 28 mm (± 14 mm)
Resolution		± 0.4 mm (1,250 positions/m)

Functional safety related parameters

MTTF _d		53 a
Mission Time (T _M)		10 a
Diagnostic Coverage (DC)		0 %

Indicators/operating means

Operation indicator		LED green: power on
Data flow indicator		LED yellow: data communication active
Error indicator		LED red flashing: read head outside of code rail solid on: internal diagnostic test failed

Electrical specifications

Operating voltage	U _B	10 ... 30 V DC
Power consumption	P ₀	11 VA at 24 V DC

Interface

Interface type		CANopen , galvanically isolated
Data output code		binary code
Transfer rate		max. 1 MBit/s
Termination		switchable

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

Approvals and certificates

CSA approval		cCSAus Certified, General Purpose Class 2 power source
CCC approval		CCC approval / marking not required for products rated ≤36 V

Ambient conditions

Operating temperature		-40 ... 60 °C (-40 ... 140 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)

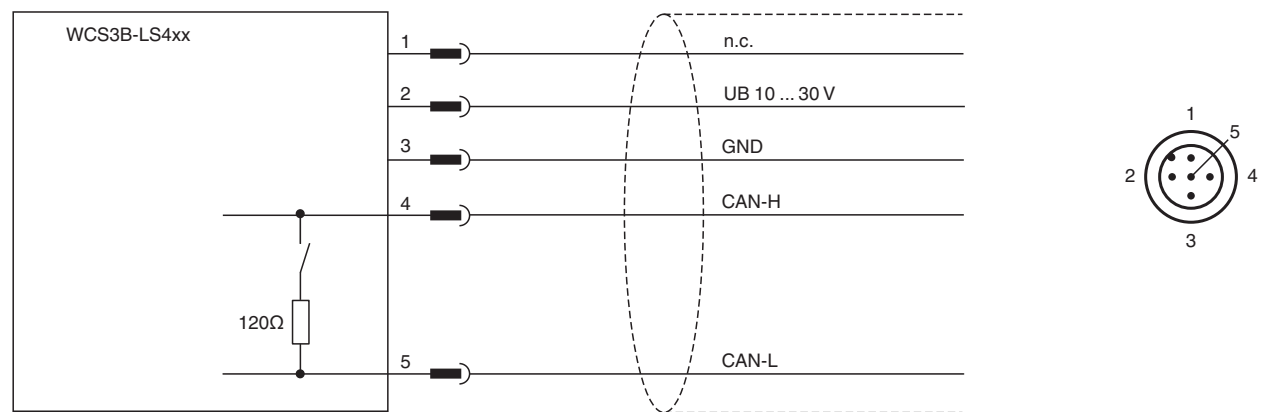
Mechanical specifications

Connection type		5-pin, M12 x 1 connector
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Technical Data

Degree of protection	IP54
Material	
Housing	ABS , PC (Polycarbonate)
Mass	500 g
General information	
Ordering information	Mounting plate included with delivery

Connection



Accessories

	WCS3B-PL2	Transparent protective case and seal for WCS3B reader
	WCS-MP1	Mounting plate for reading heads WCS2 and WCS3