

SICK WCS3B-LS221

Pepperl+Fuchs Factory Automation WCS3B-LS221 Read Head, RS 485 Interface, 10-30VDC, M12 5-Pin, IP54, Non-Contact

Technical Data

General specifications

Passage speed $v \leq 12.5$ 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

MTTFd 236 a

Mission Time (TM) 20 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 UB 10 ... 30 V DC

Power consumption P0 2 VA

Interface

Interface type RS 485 interface

Data output code binary code

Protocol 1 , 2

Transfer rate 62.5 kBit/s

Address 0

Termination with RS 485 termination

Standard conformity

Emitted interference DIN EN 61000-6-4 , DIN EN 12015

Noise immunity DIN EN 61000-6-2 , DIN EN 12016

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

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Class 2 power source

CCC approval CCC approval / marking not required for products rated ≤ 36 V

Ambient conditions

Operating temperature 0 ... 60 ° C (32 ... 140 ° F)

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

Relative humidity 90 % , noncondensing

Mechanical specifications

Connection type 5-pin, M12 x 1 connector

Degree of protection IP54

Material

Housing ABS , PC (Polycarbonate)

Mass 500 g

General information

Ordering information Mounting plate included with delivery



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