



Reader with protective housing

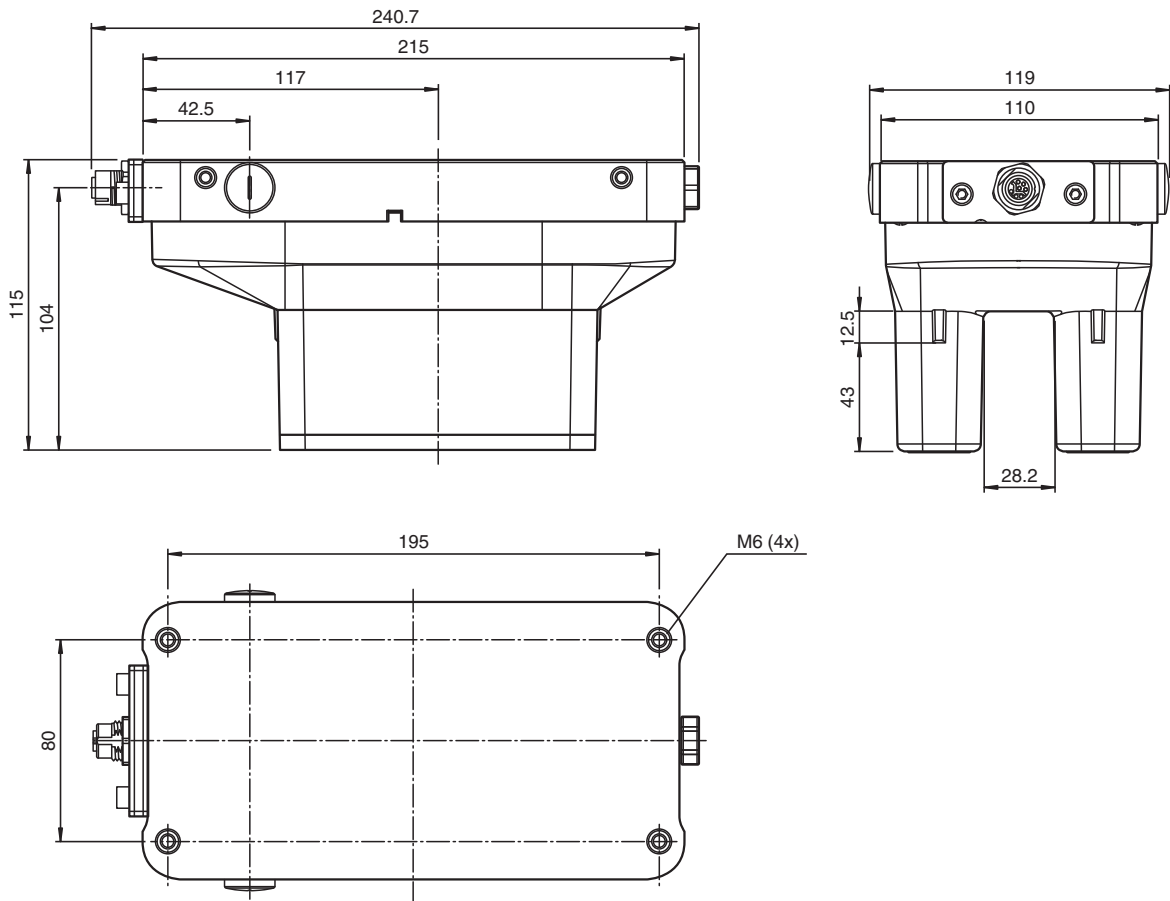
WCS3B-LS510D-OM

- EtherNet/IP
- Non-contact, absolute position encoder
- Automatic detection of dirt accumulation
- Output of position and speed
- For outdoor use

Reader with protective enclosure, EtherNet/IP interface



Dimensions



Technical Data

General specifications

| | | |
|-----------------|---|--------------|
| Passage speed | v | ≤ 12.5 m/s |
| Measuring range | | max. 314.5 m |

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

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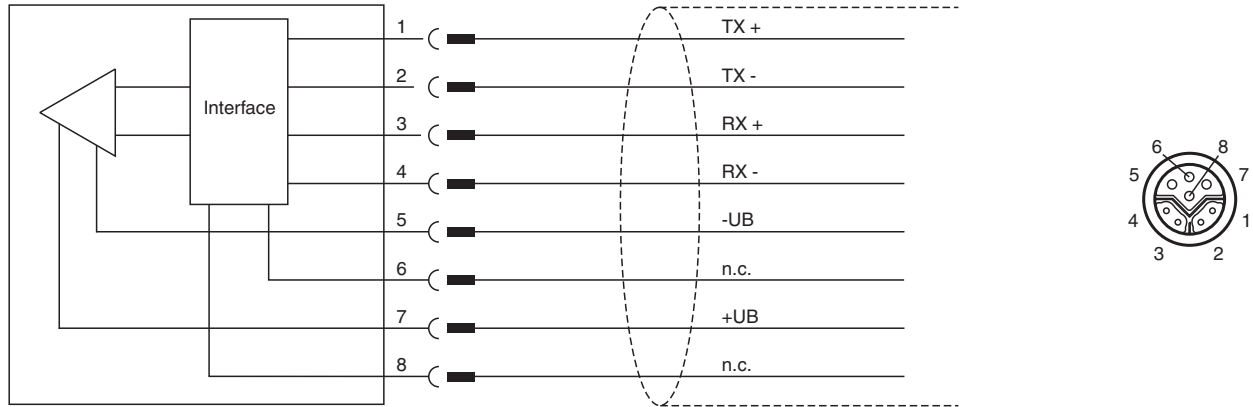
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Technical Data











| | | |
|---|----------------|---|
| Free tolerances to code rail | | horizontal: 28 mm (± 14 mm) vertical: 25.5 mm (+11.5 mm/-14 mm) |
| Resolution | | ± 0.4 mm (1,250 positions/m) |
| Functional safety related parameters | | |
| MTTF _d | | 172 a |
| Mission Time (T _M) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| Indicators/operating means | | |
| Display | | Display module, 6-digit , adaptable to installation position |
| LED green | | ETHERNET link To: ETHERNET connection OK |
| LED yellow | | ETHERNET Bus Activity Flashing: data transfer |
| LED red | | ETHERNET communication To: communication error |
| LED red/green | | Status indication Green: code rail detected, normal function Red: system error Flashing red: no code rail detected |
| Electrical specifications | | |
| Operating voltage | U _B | 10 ... 30 V DC |
| Power consumption | P ₀ | 6 W |
| Interface | | |
| Interface type | | 100 BASE-TX |
| Data output code | | binary code |
| Protocol | | EtherNet/IP |
| Transfer rate | | 100 MBit/s |
| Standard conformity | | |
| Emitted interference | | EN 61000-6-4:2007+A1:2011 |
| Noise immunity | | EN 61000-6-2:2005 |
| Shock resistance | | EN 60068-2-27:2009 |
| Vibration resistance | | EN 60068-2-6:2008 |
| 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 | | 0 ... 60 °C (32 ... 140 °F) |
| Storage temperature | | -40 ... 85 °C (-40 ... 185 °F) |
| Mechanical specifications | | |
| Connection type | | 8-pin, M12 x 1 connector socket, Y-coded |
| Degree of protection | | IP67 / IP69 |
| Material | | |
| Housing | | PET , PC (Polycarbonate) |
| Mass | | 1000 g |
| Note | | The reader must not be operated without the protective housing! |

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Connection



Accessories

| | | |
|---|--------------------------------|--|
|  | V19SY-G-BK10M-PUR-ABG | Male single-ended cordset, M12, 8-pin, Y encryption, PUR cable, shielded |
|  | V45-G | Male connector RJ45 straight 4-pin, Cat5, shielded, field-attachable |
|  | WCS3B-OPC | Outdoor protective cover for WCS3B reader |
|  | V45-GP | Male connector RJ45 straight 4-pin, Cat5, shielded, field-attachable, Outdoor |
|  | V15S-W-ABG-PG9 | Male connector M12 angled A-coded 5-pin, for cable diameter 5 - 8 mm, shielded, field-attachable |
|  | V15S-G-ABG-PG9 | Male connector M12 straight A-coded 5-pin, for cable diameter 5 - 8 mm, shielded, field-attachable |
|  | WCS3B-OBP | Stopping plugs For WCS3B-OP* housing |
|  | V1SD-G-5M-PUR-ABG-V45-G | Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e |
|  | V19SY-Y-V1D/V1S | Y-Splitter M12 plug 8-pin Y-coded to M12 socket 4-pin D-coded / M12 plug 4-pin A-coded |
|  | V19SY-G-BK*M-PUR-ABG | Ethernet bus cable male cordset single-ended M12 straight Y-coded 8-pin, PUR cable black, Cat5e, shielded, drag chain suitable |

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