



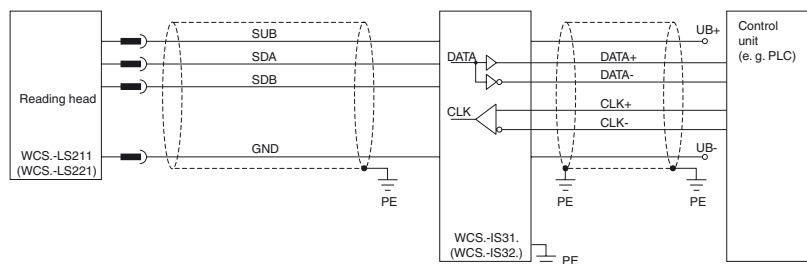
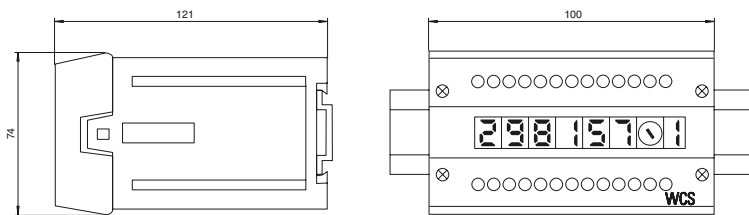
Model number

WCS-IS321
WCS SSI interface module

Features

- Integrated display
- Long possible cable length between reading head and SSI master
- DIN rail mounting

Dimensions



Technical data

| | |
|----------------------------------|---------------------------------------|
| General specifications | |
| Installation | DIN rail mounting |
| Electrical specifications | |
| Operating voltage | U_B 24 V DC \pm 20 % |
| Power consumption | P_0 \leq 2 W (without read heads) |
| Interface 1 | |
| Connection of | control system |
| Interface type | SSI |
| Transfer rate | max. 500 kHz |
| Data output format | Gray code |
| Bus termination resistor | integrated |
| Interface 2 | |
| Connection of | Read head |
| Connectable read heads | WCS-LS221 |
| Interface type | RS 485 |
| Transmission method | half duplex |
| Transfer rate | max. 62.5 kBit/s |
| RS485 termination resistor | integrated |
| Refresh cycle of read head | 1 ms |
| Standard conformity | |
| Emitted interference | EN 55011 |
| Noise immunity | DIN EN 50082-2 |
| Ambient conditions | |
| Operating temperature | 0 ... 55 °C (32 ... 131 °F) |
| Storage temperature | -40 ... 70 °C (-40 ... 158 °F) |
| Relative humidity | \leq 80 % |
| Mechanical specifications | |
| Connection type | removable terminal block |
| Protection degree | IP20 |
| Material | plastic |
| Installation position | any position |
| Mass | approx. 350 g |

Terminal connection

| Terminal | Designation |
|----------|-------------------------------------|
| UB+ | Power supply interface module |
| GND | Ground interface module |
| SUB | Operating voltage read head |
| SDA | RS 485 + data line to the read head |
| SDB | RS 485 -data line to the read head |
| GND | Ground read head |
| DATA+ | Data + |

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| | |
|-------|------------------|
| DATA- | Data - |
| CLK+ | Clock + |
| CLK- | Clock - |
| PE | Protective earth |

Connection WCS* - read head

| Terminal pin read head | | | Terminal interface module |
|------------------------|-------|-------|---------------------------|
| WCS2A/WCS2B | WCS3A | WCS3B | |
| 2 | 1 | 1 | SUB |
| 4 | 2 | 2 | SDA |
| 1 | 3 | 4 | SDB |
| 3 | 5 | 3 | GND |