



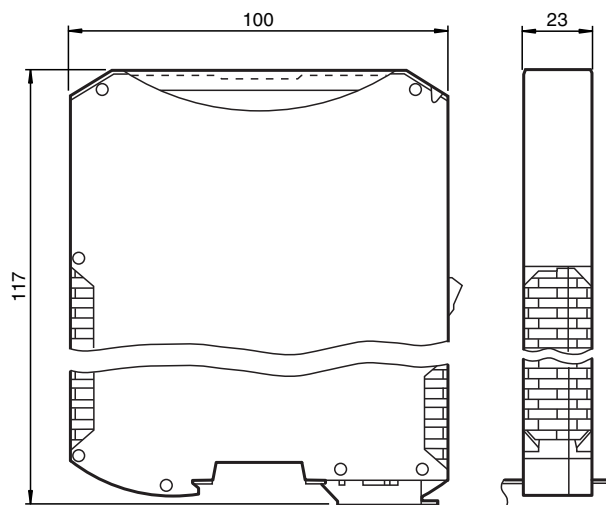
## WCS interface module WCS-PG310

- Up to 4 read heads can be connected
- DIN rail mounting
- Integrated switch
- PROFIBUS interface

WCS Profibus interface module



### Dimensions



### Technical Data

#### General specifications

|              |                   |
|--------------|-------------------|
| Installation | DIN rail mounting |
|--------------|-------------------|

#### Functional safety related parameters

|                                |       |
|--------------------------------|-------|
| MTTF <sub>d</sub>              | 180 a |
| Mission Time (T <sub>M</sub> ) | 10 a  |
| Diagnostic Coverage (DC)       | 0 %   |

#### Electrical specifications

|                   |                |                              |
|-------------------|----------------|------------------------------|
| Operating voltage | U <sub>B</sub> | 10 ... 30 V DC               |
| Power consumption | P <sub>0</sub> | ≤ 3.6 W (without read heads) |

#### Interface 1

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

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## Technical Data

|                                   |                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Connection of                     | control system                                                                                                                          |
| Interface type                    | PROFIBUS DP V1                                                                                                                          |
| Transfer rate                     | max. 12 MBit/s , Automatic baud rate detection                                                                                          |
| Data output format                | binary code                                                                                                                             |
| Bus termination resistor          | switchable                                                                                                                              |
| <b>Interface 2</b>                |                                                                                                                                         |
| Connection of                     | Read head                                                                                                                               |
| Connectable read heads            | WCS...-LS221 , WCS...-LS121                                                                                                             |
| Interface type                    | RS-485                                                                                                                                  |
| Transmission method               | half duplex                                                                                                                             |
| Transfer rate                     | 62.5 kBit/s                                                                                                                             |
| RS485 termination resistor        | switchable                                                                                                                              |
| Refresh cycle of read head        | 1 ms                                                                                                                                    |
| <b>Standard conformity</b>        |                                                                                                                                         |
| Emitted interference              | EN 55011, cl. A: 2007                                                                                                                   |
| Noise immunity                    | EN 61000-6-2:2005                                                                                                                       |
| <b>Approvals and certificates</b> |                                                                                                                                         |
| CCC approval                      | CCC approval / marking not required for products rated ≤36 V                                                                            |
| <b>Ambient conditions</b>         |                                                                                                                                         |
| Operating temperature             | -40 ... 85 °C (-40 ... 185 °F) , no moisture condensation                                                                               |
| Storage temperature               | -40 ... 85 °C (-40 ... 185 °F)                                                                                                          |
| Relative humidity                 | ≤ 80 %                                                                                                                                  |
| <b>Mechanical specifications</b>  |                                                                                                                                         |
| Connection type                   | Interface 1: 9-pin Sub-D connector<br>Interface 2: terminal connection ≤ 2.5 mm <sup>2</sup><br>Interface 3: Terminal connection, 2-pin |
| Housing width                     | 23 mm                                                                                                                                   |
| Housing height                    | 111 mm                                                                                                                                  |
| Housing depth                     | 117 mm                                                                                                                                  |
| Degree of protection              | IP20                                                                                                                                    |
| Material                          | plastic                                                                                                                                 |
| Installation position             | any position                                                                                                                            |
| Mass                              | approx. 130 g                                                                                                                           |

## Connection

