

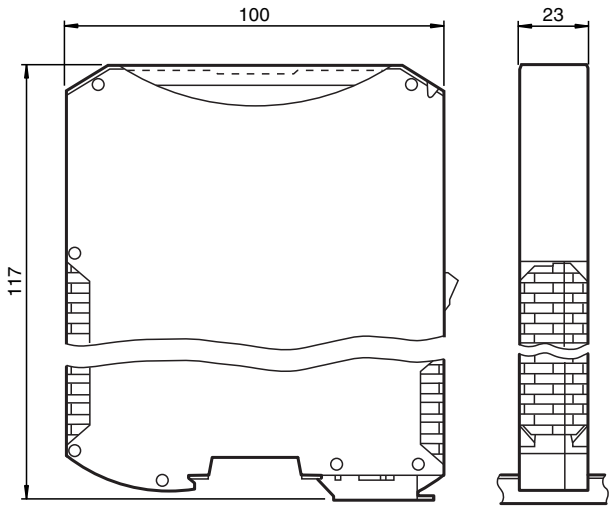
# WCS interface module

# WCS-PG410

- Up to 4 read heads can be connected
- DIN rail mounting
- Integrated switch
- PROFIBUS interface
- Measuring length max. 629 m

WCS Profibus interface module

## Dimensions




## Technical Data

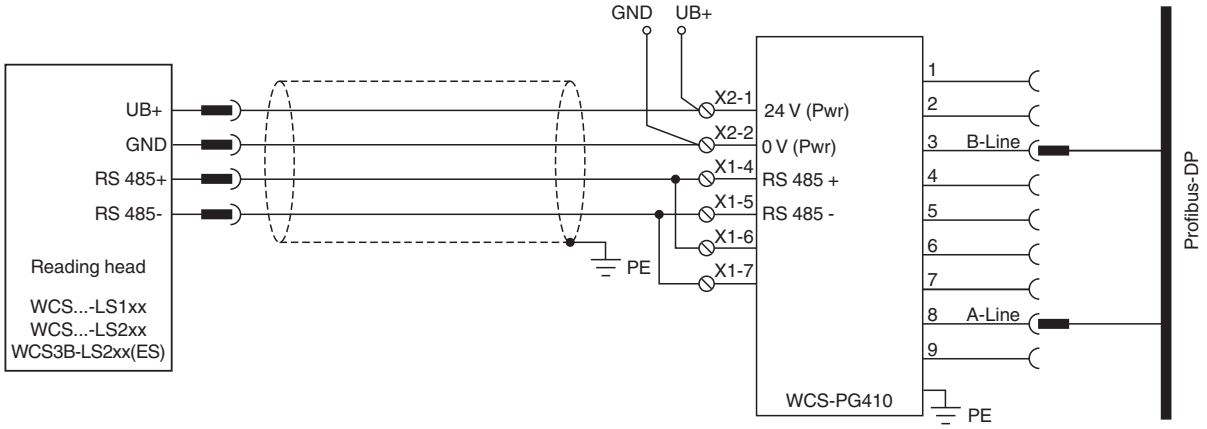
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|---|---|---|
| **General specifications** | | |
| Installation | | DIN rail mounting |
| **Functional safety related parameters** | | |
| $MTTF_d$ | | 180 a |
| Mission Time ($T_M$) | | 10 a |
| Diagnostic Coverage (DC) | | 0 % |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | 10 ... 30 V DC |
| Power consumption | $P_0$ | ≤ 3.6 W (without read heads) |
| **Interface 1** | | |

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## Technical Data

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|---|---|---|
| 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 |
| **Interface 2** | | |
| Connection of | | WCS read heads |
| Connectable read heads | | WCS...-LS121 , WCS...-LS221 , WCS3B-LS1/2**ES with option ES (Extended Protocol up to 628 m) |
| 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 / 10 ms (with extended WCS read head) |
| **Standard conformity** | | |
| Emitted interference | | EN 55011, cl. A: 2007 |
| Noise immunity | | EN 61000-6-2:2005 |
| **Approvals and certificates** | | |
| CCC approval | | CCC approval / marking not required for products rated ≤36 V |
| **Ambient conditions** | | |
| Operating temperature | | -40 ... 85 °C (-40 ... 185 °F) , no moisture condensation |
| Storage temperature | | -40 ... 85 °C (-40 ... 185 °F) |
| Relative humidity | | ≤ 80 % |
| **Mechanical specifications** | | |
| Connection type | | Interface 1: 9-pin Sub-D connector<br>Interface 2: terminal connection ≤ 2.5 mm²<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




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