



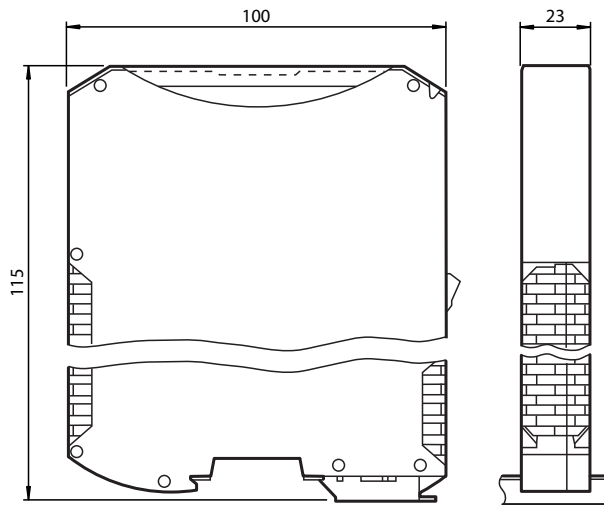
Interface module VLX-F231-B17

- Up to 4 sensors can be connected
- DIN rail mounting
- Ethernet interface with PROFINET
- Integrated switch

Interface module with PROFINET interface for SmartRunner



Dimensions



Technical Data

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

Release date: 2024-01-03 Date of issue: 2024-01-03 Filename: 310754_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

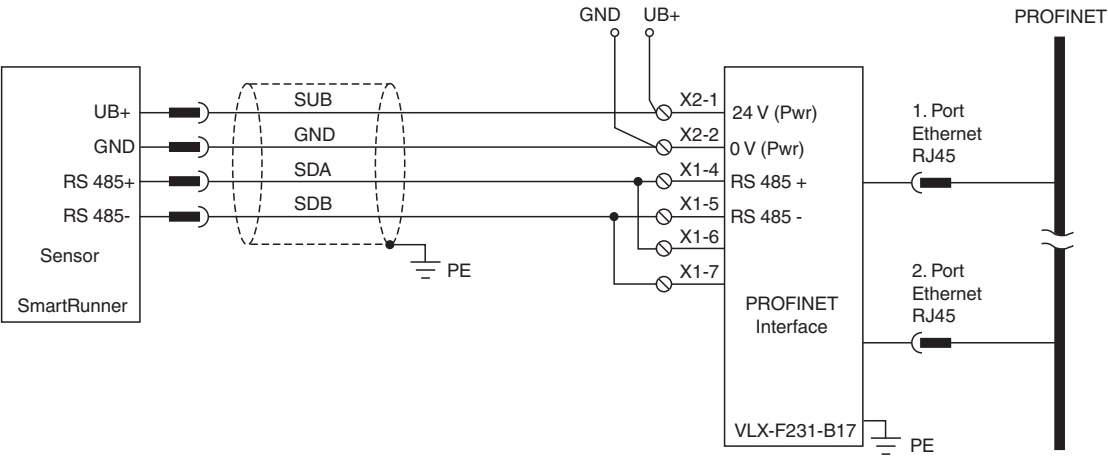
PEPPERL+FUCHS

Technical Data

Connection of		control system
Interface type		Ethernet; 100 BASE-TX
Protocol		PROFINET IO
Transfer rate		100 MBit/s
Data output format		binary code
Interface 2		
Connection of		control system
Interface type		Ethernet; 100 BASE-TX
Protocol		PROFINET IO
Transfer rate		100 MBit/s
Data output format		binary code
Interface 3		
Connection of		sensor
Interface type		RS485
Protocol		half duplex
Transfer rate		230 kBit/s
RS485 termination resistor		switchable
Refresh cycle of read head		1 ms
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		-25 ... 85 °C (-13 ... 185 °F) , no moisture condensation
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		≤ 80 %
Mechanical specifications		
Connection type		Interface 1 & 2: RJ-45 socket, 8-pin Interface 3: terminal connection ≤ 2.5 mm ² Interface 4: Terminal connection, 2-pin
Degree of protection		IP20
Material		plastic
Installation position		any position
Mass		approx. 150 g
Dimensions		
Height		111 mm (incl. plug-in screw connector)
Width		23 mm
Depth		115 mm

Release date: 2024-01-03 Date of issue: 2024-01-03 Filename: 310754_eng.pdf

Connection



Release date: 2024-01-03 Date of issue: 2024-01-03 Filename: 310754_eng.pdf