

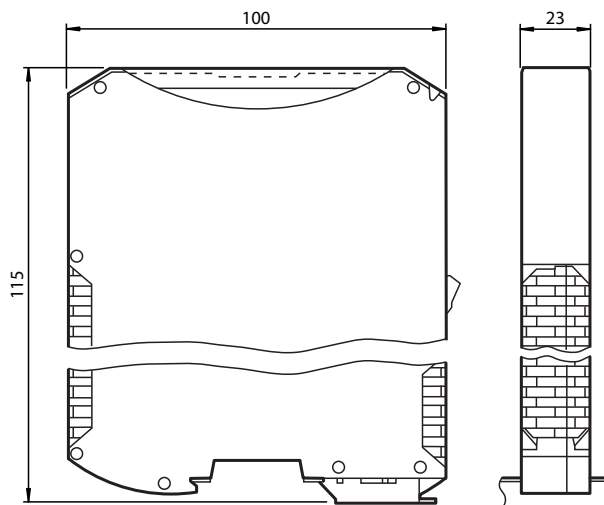
Interface module VLX-F231-B21

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

Interface module with EtherCAT interface for SmartRunner



Dimensions



Technical Data

General specifications

Installation	DIN rail mounting
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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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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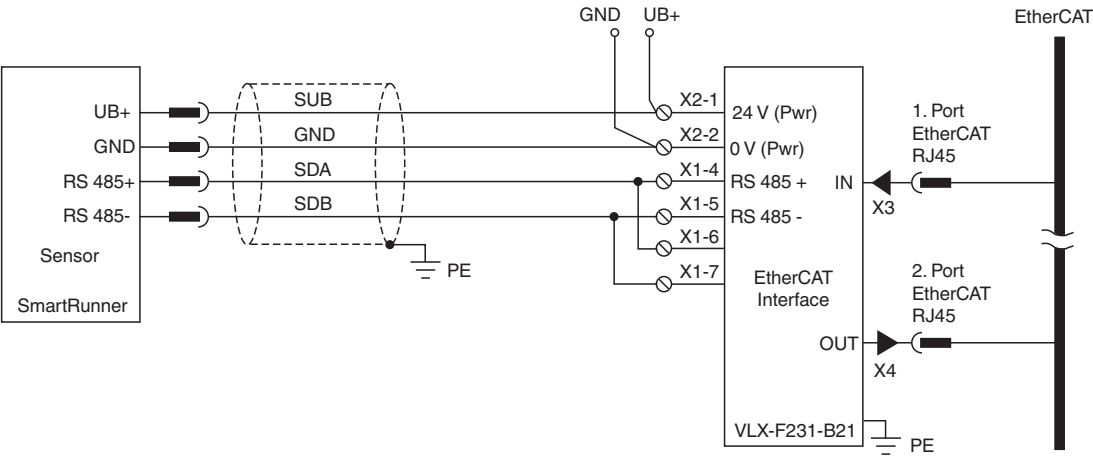
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 **PEPPERL+FUCHS**

Technical Data

Connection of		control system
Interface type		Ethernet; 100 BASE-TX
Protocol		EtherCAT
Transfer rate		100 MBit/s
Data output format		binary code
Interface 2		
Connection of		control system
Interface type		Ethernet; 100 BASE-TX
Protocol		EtherCAT
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
Housing width		23 mm
Housing height		100 mm (without plug-in screw connector) 111 mm (incl. plug-in screw connector)
Housing depth		115 mm
Degree of protection		IP20
Material		plastic
Installation position		any position
Mass		approx. 130 g

Connection



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