



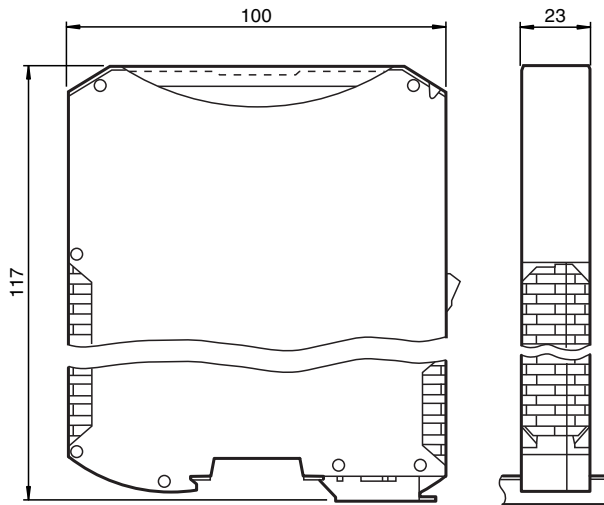
Interface module VLX-F231-B6

- Up to 4 sensors can be connected
- DIN rail mounting
- PROFIBUS interface

Interface module with PROFIBUS 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 P₀ ≤ 3.6 W (without read heads)

Interface 1

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
Interface 2	
Connection of	sensor
Interface type	RS-485
Transmission method	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	-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 Interface 2: terminal connection ≤ 2.5 mm ² Interface 3: Terminal connection, 2-pin
Degree of protection	IP20
Material	plastic
Installation position	any position
Mass	approx. 130 g
Dimensions	
Height	111 mm (incl. plug-in screw connector)
Width	23 mm
Depth	117 mm

Connection

