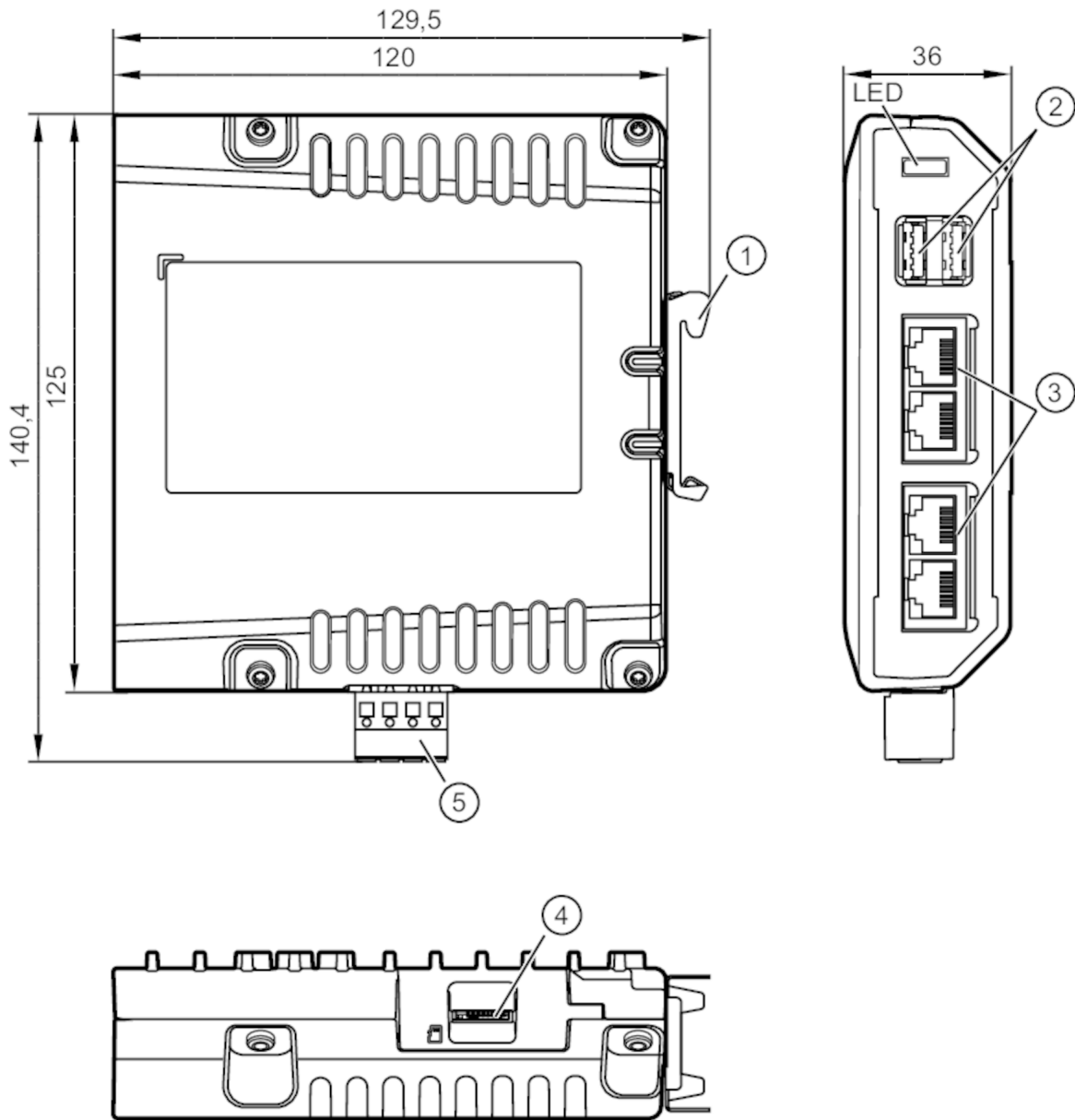


AE3100



IIoT controller

IIoT Controller IP20 1S



- 1 DIN rail adapter
- 2 USB interface
- 3 Ethernet interface
- 4 slot for micro-SD card
- 5 voltage supply



Product characteristics

Communication interface

Ethernet; USB

Application

Application

freely programmable edgeDevice for industrial applications

Electrical data

Operating voltage

[V]

18...32 DC; (PELV)

Nominal voltage DC

[V]

24



IIoT controller

IIoT Controller IP20 1S

Power consumption	[W]	14; (max. power for USB devices: 1,5 A / 5 V)	
Reverse polarity protection		yes	
Software / programming			
Parameter setting options		CODESYS 3.5	
PLC function to IEC 61131-3		yes	
Interfaces			
Communication interface		Ethernet; USB	
Number of Ethernet interfaces		4	
Number of USB interfaces		2	
Ethernet			
Transmission standard		10Base-T; 100Base-TX	
Transmission rate		10 MBit/s; 100 MBit/s	
Type of connector		RJ45	
Protocol		EtherNet/IP; PROFINET; EtherCAT; Modbus TCP; OPC UA; IoT (MQTT, HTTP, Cloud connectors)	
USB			
Transmission rate		< 480 MBit/s	
Type of connector		type A	
Version		USB 2.0	
Note on interfaces		Output current limitation: 1,5 A	
		Output current total: 1,5 A	
Operating conditions			
Ambient temperature	[°C]	-25...55	
Note on ambient temperature		2000 m: 55 °C	
		3000 m: 50 °C	
Storage temperature	[°C]	-25...85	
Max. relative air humidity	[%]	90; (non condensing)	
Max. height above sea level	[m]	3000	
Protection		IP 20	
Degree of soiling		2	
Tests / approvals			
EMC		EN 61000-6-2	
		EN 61000-6-3	
Mechanical data			
Weight	[g]	685	
Type of mounting		DIN rail mounting	
Material		housing: diecast aluminium passivated; stainless steel	
Displays / operating elements			
Display			3 LED, three-color
Hardware			
Processor		ARM 64 Bit Quad Core 1,2 GHz	
Working memory		1 GByte RAM	
Mass storage		8 GByte Flash	

AE3100



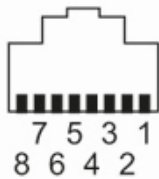
IIoT controller

IIoT Controller IP20 1S

Removable storage	Micro SD card; SD; SDHX; SDXC; USB interface
Data memory	
Real-time clock	yes; UTC, battery buffered
Remarks	
Remarks	Further information is available in the manual.
Pack quantity	1 pcs.

Electrical connection - Ethernet

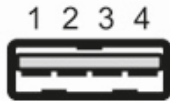
Connector: 4 x RJ45



1 TD +
3 RD +
2 TD -
6 RD -

Electrical connection - USB

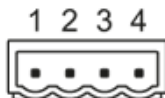
Connector: 2 x type A



1 + 5 V
2 Data -
3 Data +
4 GND

Electrical connection - voltage supply

Connector: 1 x Cage clamp



1 + 24 V
2 0 V
3 n.c.
4 n.c.