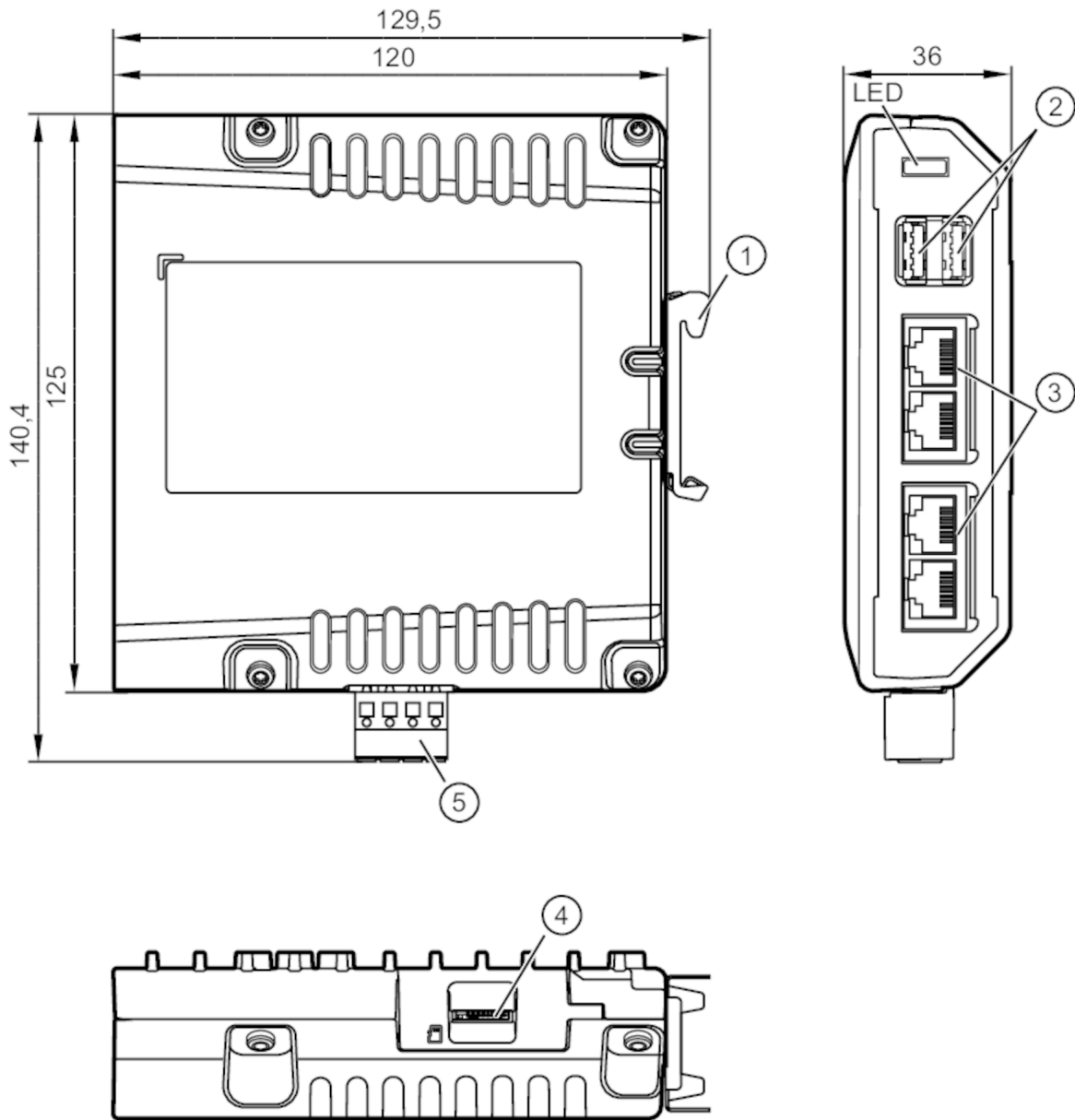


AE3100



IIoT controller

IIoT Controller IP20 1S



- 1 DIN rail adapter
- 2 USB interface
- 3 Ethernet interface
- 4 slot for micro-SD card
- 5 power 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
Connector type	RJ45
Protocol	EtherNet/IP; PROFINET; EtherCAT; Modbus TCP; OPC UA; IoT (MQTT, HTTP, Cloud connectors)
USB	
Transmission rate	< 480 MBit/s
Connector type	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
Pollution degree	2
Tests / approvals	
EMC	EN 61000-6-2
	EN 61000-6-3
Mechanical data	
Weight [g]	685
Type of mounting	DIN rail mounting
Materials	housing: diecast aluminium passivated; stainless steel
Displays / operating elements	
Display	3 LED, three-colour
Hardware	
Processor	ARM 64 Bit Quad Core 1,2 GHz
RAM	1 GByte RAM
Mass storage	8 GByte Flash

AE3100



IIoT controller

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Removable storage	Micro SD card; SD; SDHX; SDXC; USB interface
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Data memories

Real-time clock	yes; UTC, battery buffered
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Remarks

Remarks	For further information please see the operating instructions.
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Pack quantity	1 pcs.
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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 - power supply

Connector: 1 x Cage clamp



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