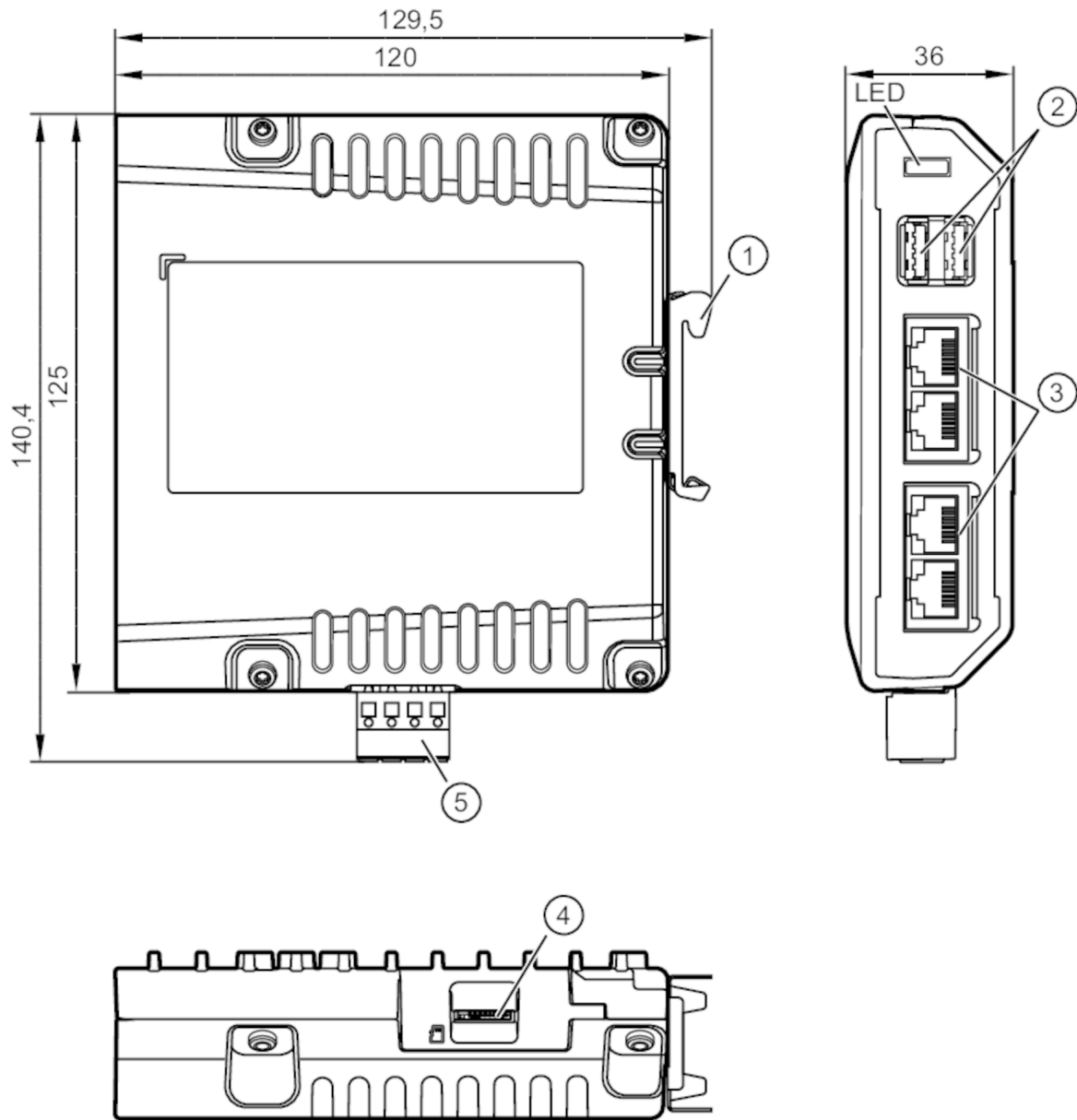


AE3100



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
Housing	rectangular
Dimensions [mm]	140.4 x 36 x 129.5

Application

Application	freely programmable edgeDevice for industrial applications
-------------	--

AE3100



IIoT controller

IIoT Controller IP20 1S

Electrical data		
Operating voltage	[V]	18...32 DC; (PELV)
Nominal voltage DC	[V]	24
Power consumption	[W]	14; (max. power for USB devices: 1,5 A / 5 V)
Reverse polarity protection		yes
Overvoltage category		II
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	
MTTF	[years]	52
Mechanical data		
Weight	[g]	685
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	140.4 x 36 x 129.5

AE3100



IIoT controller

IIoT Controller IP20 1S

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

Data memory

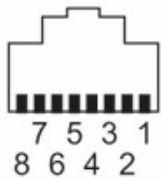
Real-time clock	yes; UTC, battery buffered
-----------------	----------------------------

Remarks

Remarks	Further information is available in the manual.
Pack quantity	1 pcs.

Electrical connection - Ethernet

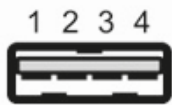
Connector: 4 x RJ45



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

AE3100

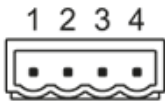


IIoT controller

IIoT Controller IP20 1S

Electrical connection - voltage supply

Connector: 1 x Cage clamp



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