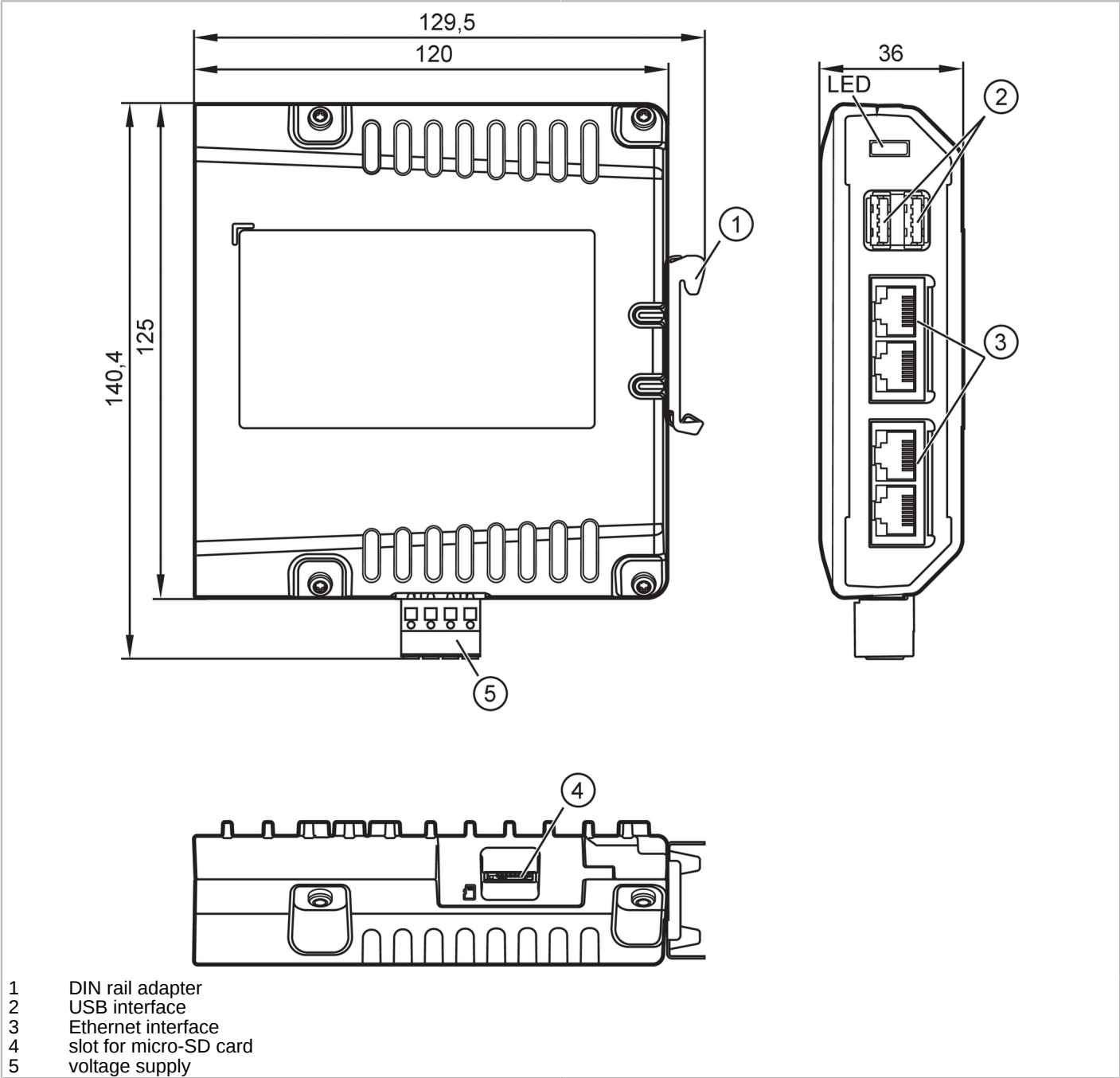


AE3100



IIoT controller

IIoT Controller IP20 1S



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
Electrical data		
Operating voltage	[V]	18...32 DC; (PELV)
Nominal voltage DC	[V]	24

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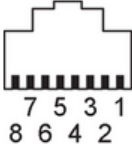
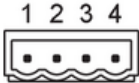
Power consumption	[W]	14; (max. power for USB devices: 1,5 A / 5 V)
Reverse polarity protection		yes
Overvoltage category		II
Software / programming		
Parameter setting options		CODESYS 3.5
PLC function to IEC 61131-3		yes
Interfaces		
Communication interface		Ethernet; USB
Number of Ethernet interfaces		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
Pollution degree		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
Material		housing: diecast aluminium passivated; stainless steel
Displays / operating elements		
Display		3 LED, three-color

AE3100



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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; Contacts: 8	
	
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.	