AE2100

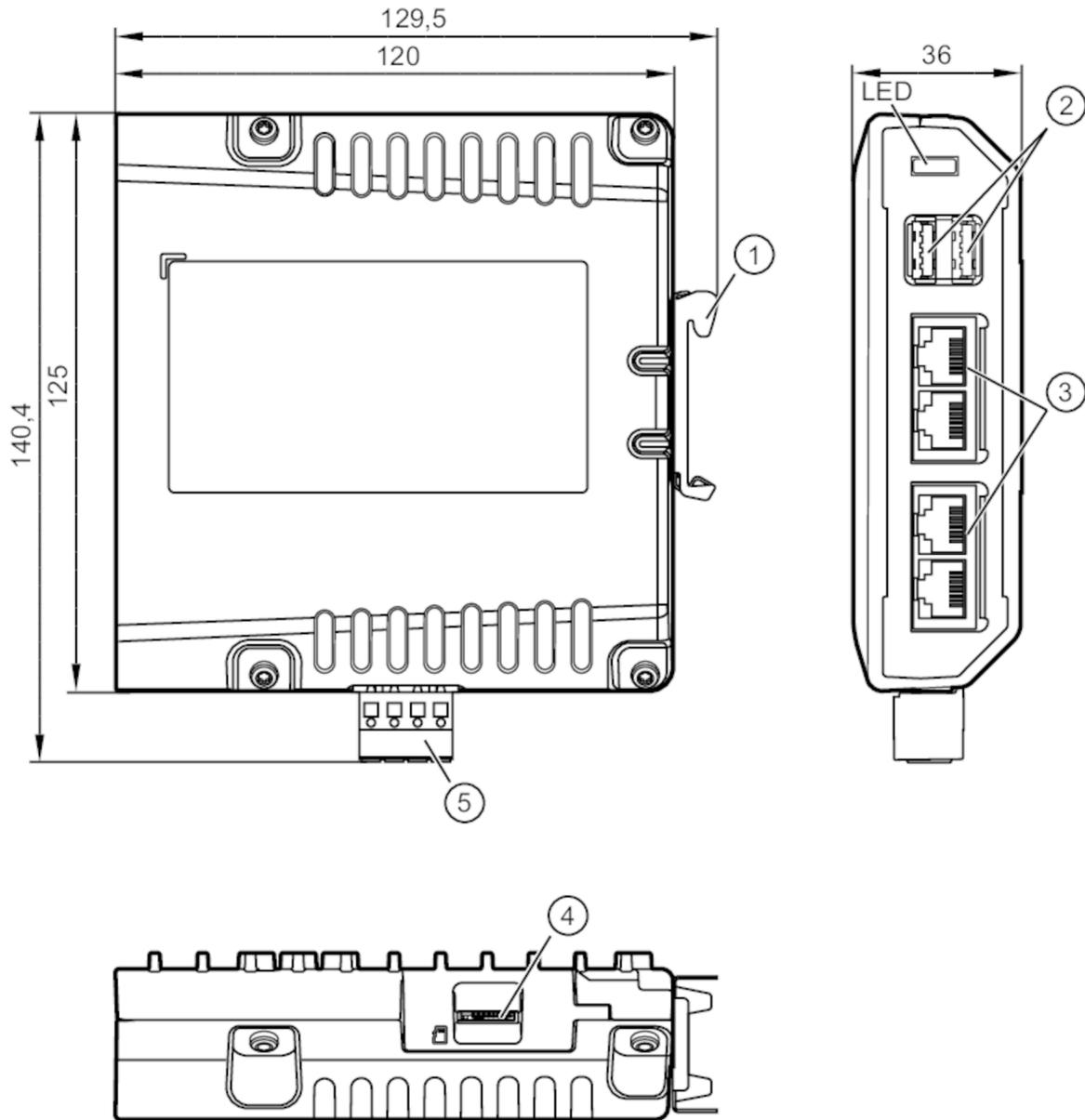## EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

an additional QCM100/QCM110 cloud subscription is required to use and operate the moneo Cloud

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

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IIoT edgeGateway IP20 1S

Application	
Application	ideally suited for operation in the control cabinet or IT environment to collect data from industrial environments to improve operational efficiency, productivity and safety; to increase machine availability, ensure process quality or optimise energy consumption in industrial applications

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	moneo

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	TCP/IP; TCP/IP JSON; UDP; HTTP; OPC UA; MQTT

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]	680

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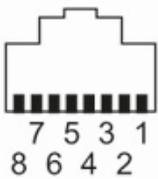|	
Housing	rectangular
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))
Dimensions [mm]	140.4 x 36 x 129.5
Material	housing: diecast aluminium passivated; stainless steel
Displays / operating elements	
Display	3 LED, three-color
Hardware	
Processor	ARM 64 Bit Quad Core 1,2 GHz
Working memory	4 GByte RAM
Mass storage	20 GByte Flash
Removable storage	Micro SD card; SD; SDHX; SDXC; USB interface
Data memory	
Real-time clock	yes; UTC, battery buffered
Remarks	
Remarks	maximum transmission rate of 500 process values per second
Notes	an additional QCM100/QCM110 cloud subscription is required to use and operate the moneo Cloud
Pack quantity	1 pcs.

Electrical connection - Ethernet

Connector: 4 x RJ45

```
7 5 3 1
 8 6 4 2
```

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

Electrical connection - USB

Connector: 2 x type A

```
1 2 3 4
```

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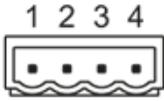2 Data -
3 Data +
4 GND

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EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

Electrical connection - voltage supply

Connector: 1 x Cage clamp

1 2 3 4

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