AE2100

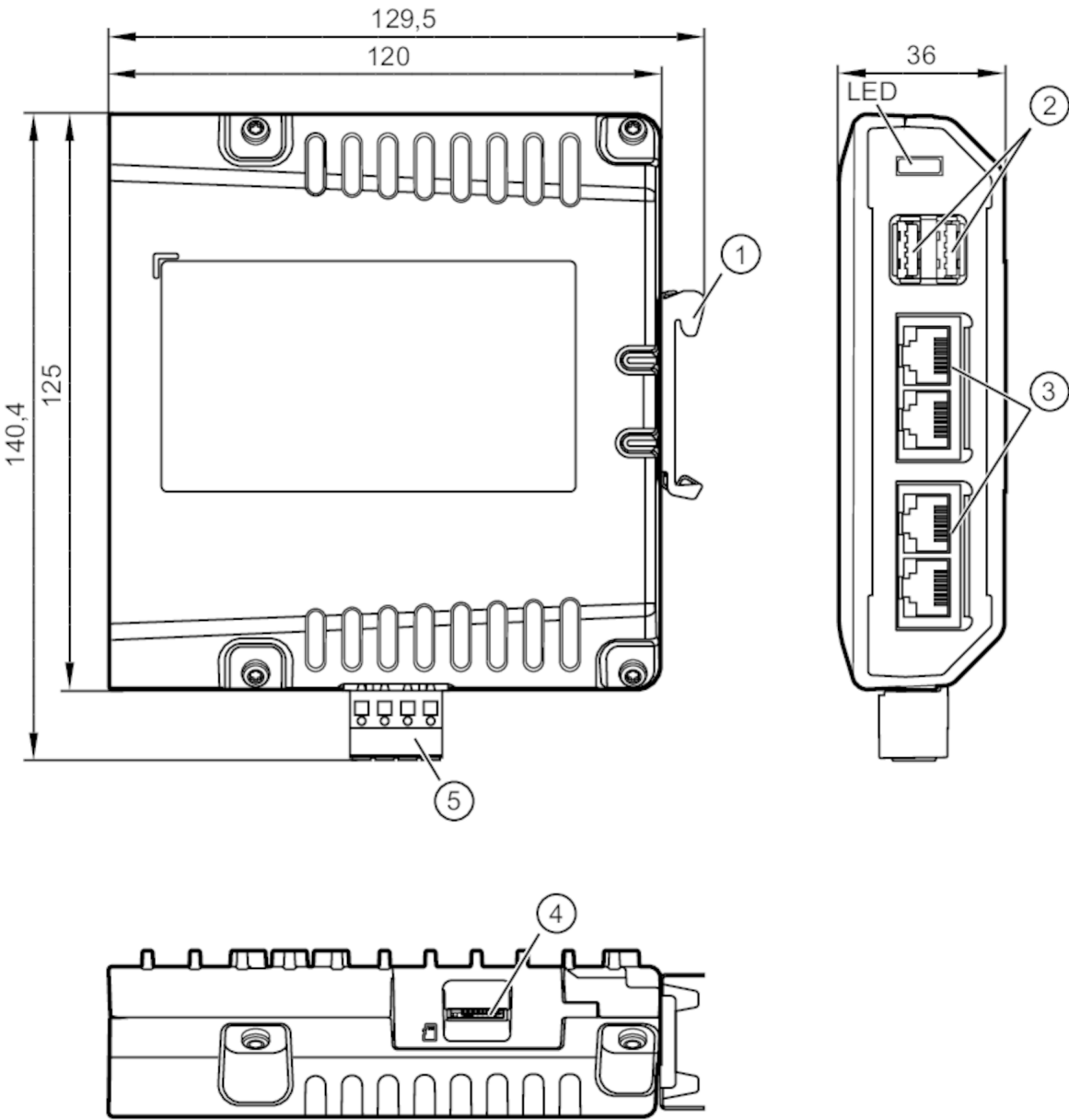**EdgeGateway for connecting the production
environment to the IIoT platform moneo**

IIoT edgeGateway IP20 1S

an additional QCM100 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
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

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EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway 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

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

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]	0.68
Type of mounting		DIN rail mounting
Material		housing: diecast aluminium passivated; stainless steel

Displays / operating elements

Display	3 LED, three-color

Hardware

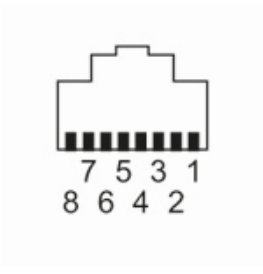|	
Processor	ARM 64 Bit Quad Core 1,2 GHz
Working memory	4 GByte RAM

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

IIoT edgeGateway IP20 1S

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 cloud subscription is required to use and operate the moneo Cloud
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
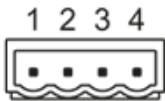

1 + 5 V
2 Data -
3 Data +
4 GND

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EdgeGateway for connecting the production environment to the IIoT platform moneo

Electrical connection - voltage supply

Connector: 1 x Cage clamp

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