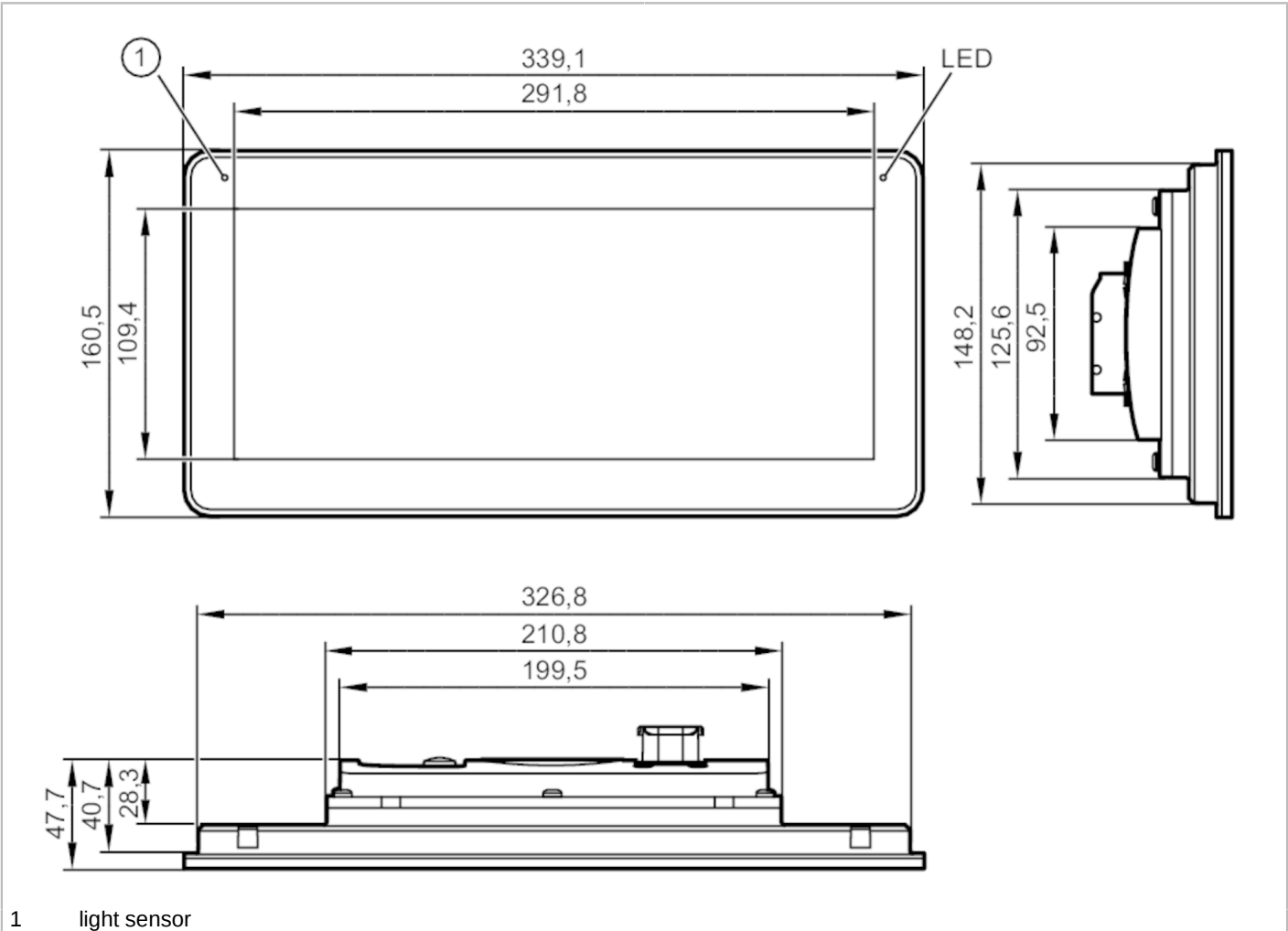


AE1300



EdgeController

IIoT edgeController/12"/Touch



1 light sensor



Product characteristics

Communication interface	Ethernet; USB
Dimensions [mm]	339.1 x 160.5 x 47.7

Application

Application	freely programmable edgeDevice for industrial applications
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Electrical data

Operating voltage [V]	20...32 DC
Nominal voltage DC [V]	24
Power consumption [W]	32
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	2



EdgeController

IIoT edgeController/12"/Touch

Number of USB interfaces	2
Ethernet	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10 MBit/s; 100 MBit/s
Connector type	M12
Protocol	TCP/IP; TCP/IP JSON; UDP; HTTP
USB	
Transmission rate	< 480 MBit/s
Connector type	M12
Version	USB 2.0
Note on interfaces	Output current limitation: 1,5 A
	Output current, total: 1,5 A
Operating conditions	
Ambient temperature [°C]	-30...65
Note on ambient temperature	2000 m: -30...65 °C
	3000 m: -30...60 °C
	The temperature of the mainboard must not exceed 85 °C.
	for further information please see the operating instructions
Storage temperature [°C]	-35...85
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	3000
Protection	IP 65
Pollution degree	2
Mechanical data	
Weight [g]	2288.2
Type of mounting	panel / surface
Dimensions [mm]	339.1 x 160.5 x 47.7
Materials	housing: diecast aluminium powder-coated; Display: glass chemically hardened and anti-reflective
Displays / operating elements	
Display	status LED LED, multi-colour programmable
Display resolution	1280 x 480
Display type	colour display with touch function
Display size	12.3" 8:3
Display background illumination	LED
Colour depth	24 Bit
Brightness [cd/m²]	> 1000
Contrast ratio	1000:1
Hardware	
Processor	ARM 64 Bit Quad Core 1,2 GHz
RAM	1 GByte RAM
Mass storage	8 GByte Flash
Removable storage	USB interface



EdgeController

IIoT edgeController/12"/Touch

Data memories	
Real-time clock	yes; UTC, battery buffered
Accessories	
Accessory required	Connecting cable with plug: AMP - M12, E70450 connection cable with open cable end: AMP, E70451
Remarks	
Pack quantity	1 pcs.
Electrical connection - Ethernet	

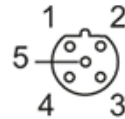
Connector: 2 x M12; coding: D



- 1 TxD +
- 2 RxD +
- 3 TxD -
- 4 RxD -

Electrical connection - USB

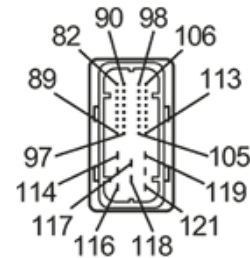
Connector: 2 x M12; coding: B



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

Electrical connection - power supply

Connector: 1 x AMP connector



- 120 GND
- 114 L +
- 119 L +
- 121 L +