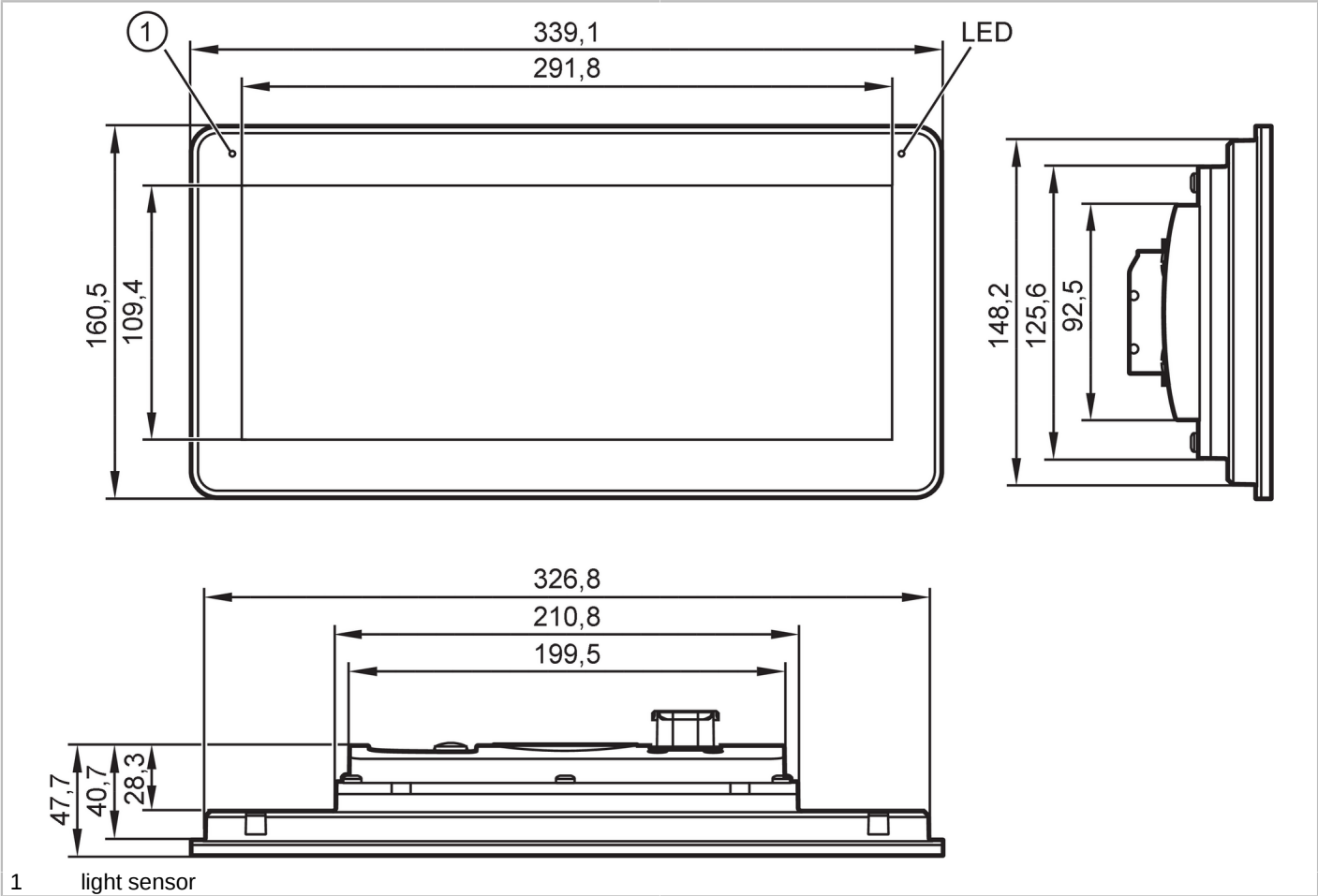


AE1300



EdgeController

IIoT edgeController/12"/Touch



Product characteristics

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

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Number of USB interfaces	2	
Ethernet		
Transmission standard	10Base-T; 100Base-TX	
Transmission rate	10 MBit/s; 100 MBit/s	
Type of connector	M12	
Protocol	EtherNet/IP; PROFINET; EtherCAT; Modbus TCP; OPC UA; IoT (MQTT, HTTP, Cloud connectors)	
USB		
Transmission rate	< 480 MBit/s	
Type of connector	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	
Housing	rectangular	
Type of mounting	panel/surf.	
Dimensions [mm]	160.5 x 339.1 x 47.7	
Material	housing: diecast aluminium powder-coated; Display: glass chemically hardened and anti-reflective	
Displays / operating elements		
Display	Status LED	LED, multi-color programmable
Display resolution	1280 x 480	
Display type	color display with touch function	
Display size	12.3" 8:3	
Display background illumination	LED	
Color depth	24 Bit	
Brightness [cd/m²]	> 1000	
Contrast ratio	1000:1	
Hardware		
Processor	ARM 64 Bit Quad Core 1,2 GHz	
Working memory	1 GByte RAM	
Mass storage	8 GByte Flash	



EdgeController

IIoT edgeController/12"/Touch

Removable storage	USB interface
Data memory	
Real-time clock	yes; UTC, battery buffered
Accessories	
Accessory required	All male cordsets: 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; Contacts: 5	
1 TxD + 2 RxD + 3 TxD - 4 RxD -	
Electrical connection - USB	
Connector: 2 x M12; coding: B; Contacts: 5	
1 + 5 V DC 2 Data - 3 Data + 4 ID 5 GND	
Electrical connection - voltage supply	
Connector: 1 x AMP connector	
120 GND 114 L + 119 L + 121 L +	