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OPPLMUETH1

MACHINE DASHBOARD INTERFACE CARD

Reduced Data sheet

Version: 1

Date: 10.02.2026

Overview



The EtherCAT Controller is a peripheral device based on the EtherCAT fieldbus. The controller provides a single interface for all types of CNC operators (pushbuttons, LED indicators, potentiometers, counters, joysticks, etc.) installed in a control panel, while at the same time providing total flexibility in configuration and maximum reduction in wiring.

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Part Number

Code

Code	Description
OPPLMUETH1	EtherCAT Controller for CNC Control Panel

Product status

Item	Value
Status	In production
In production since:	Jan 2023
In production at least since:	Jan 2028

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Technical data summary

Description	Parameter
Power Supply	Nominal 24 Vdc
Current Consumption	Typical 120 mA (24Vdc)
Main Bus Interface	EtherCAT
Electrical Protection	Polarity inversion, overload
Supply Led	Blue led
EtherCAT Led Diagnostics	Green LED + Red LED
Firmware	Upgradeable with flash technology via EtherCAT® fieldbus (FOE)
Digital Input resources	Up to 32 lines
Digital Output resources	Up to 16 lines
Analog Input resources	Up to 4 lines
Counter input resources	Up to 4 lines
Dry Contacts	Up to 4 lines
Connectivity	Up to 4 host ports USB 2.0
Operating temperature	0 ... 50 °C
Storage Temperature	-10 ... 70 °C [The environment during transportation and storage must be dry and free from dust]

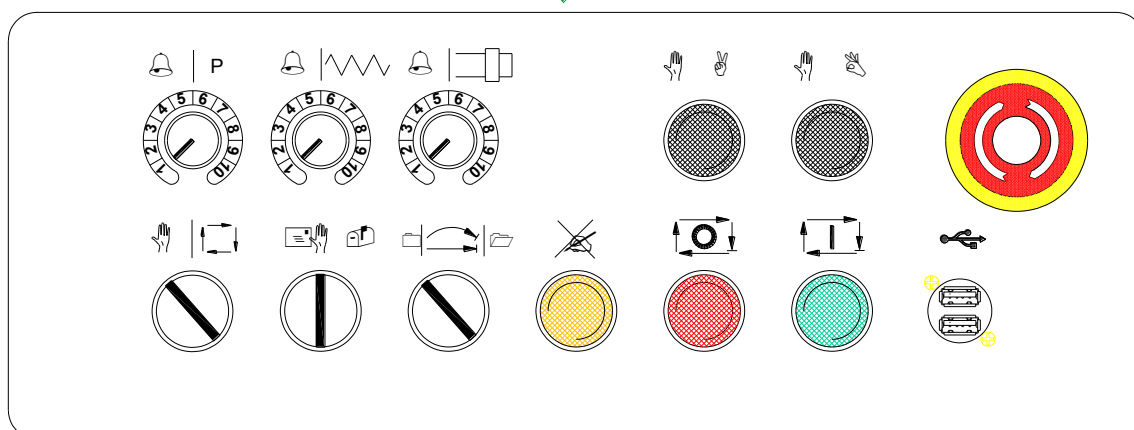
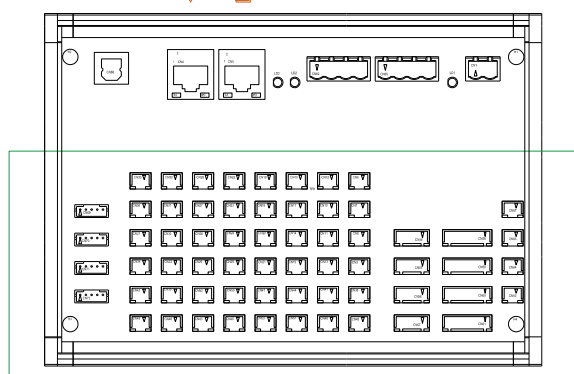
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Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending)

Layout and dimension

Dimensions	
HEIGHT	125,0 mm
WIDTH	175,0 mm
DEPTH	40,0 mm



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Reference documents

Full Technical Data sheet: OPPLMUETH1