

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
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OPPLMUF001

CNC operative Keyboard

Reduced Data sheet

Version: 1

Date: 16.02.2026

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Overview



The CNC operative keyboard is a peripheral device based on EtherCAT® fieldbus. It includes a wide range of resources completely customizable to provide a physical interaction to CNC operator for all application needs.

The keyboard includes a set of 48 keys each with a built-in white LED light. The state of each key can be read from PLC inputs. Similarly, the state of each LED can be set from PLC outputs.

On the back of the keyboard there is the connector for connecting 8 additional digital inputs and 8 digital outputs, as well as the EtherCAT bus and power supply connector.

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Part Number

Code

Code	Description
OPPLMUF001	EtherCAT slave CNC operative keyboard, 48 keys, 2 knobs, 1 handwheel

Product status

Item	Value
Status	In production
In production since:	March 2026

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Technical data summary

Power Requirements	
Input Power	Single Voltage 24V DC Nominal
Power Consumption	0.5W Max
Field Bus	
Protocol	EtherCAT
Number of Ports	1
Bus connector	RJ45 shielded
Max cable length	100mt
Firmware	Upgradeable with flash technology via EtherCAT® fieldbus (FOE)
Resources	
Keyboard	48 keys w/ 1 led indicator for each key
Handwheel	1x Encoder 100 pulse
Potentiometers	2x Encoder 20 pulse w/ switch
I/O	
Input	No. 8x Digital inputs
Output	No. 8x Digital outputs
Connections	
Bus	No.2x RJ45 (rear)
Power Supply	No.1x Removable Terminal Block (rear)
I/O	No.1x Removable Terminal Block (rear)
Hardware Diagnostics	
Supply Active	Blue LED

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Bus Status	Green LED
Bus Error	Red LED
Environment	
Operating temperature	0 ... 50 °C
Storage Temperature	-10 ... 70 °C [The environment during transportation and storage must be dry and free from dust]
Overall Dimensions	480mm (W) x 100mm (H) x 40mm (D)* * The dimension of rear cables and connectors is not included
Weight	1.1 Kg.
Protection Class	IP65 (Front)

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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)

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Layout and dimension

<i>Front Panel</i>		<i>Rear Frame</i>	
Height	100,0 mm	Height	80 mm
Width	480,0 mm	Width	440 mm
Thickness	8 mm (operators excluded)	Depth	31 mm (wiring excluded)

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Reference documents

Full technical data sheet: TDU2006_OPPLMUF001_EN