



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/>

OPRIODIM00

Digital Input Board

Reduced Data sheet

Version: 1

Date: 27.01.2026

	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/
--	--	--

Overview



The Digital Input Module is part of the dRIO family modules. The OPRIODIM00 module acquires binary signals from the process level and converts them into digital format that can be processed by the PLC. The module has 16 input channels. The reference voltage for all inputs is set by the COM contact, one COM for every 4 inputs.

	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/
--	--	--

Part Number

Code

Code	Description
OPRIODIM00	16 PNP/NPN Digital Input αRIO Module + 4 Common

Product status

Item	Value
Status	In production: suitable for new application
In production from:	March 2019
In production at least until:	Dec 2028

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

Technical data summary

Power requirements	
Input Power	Internal bus powered
BUS Power Consumption	Max 30mA
Internal bus	
Protocol	I-BUS
Digital Input	
Number of channels	16
Common lines	4 (1 common every 4 channels)
Number of Counter	2 x 8Bit CLK Counter or 1 x 16bit CLK Counter or 1 16bit Phase Counter
Environment	
Operating temperature	0 ... 50 °C
Storage Temperature	-10 ... 70 °C [The environment during transportation and storage must be dry and free from dust]
Humidity	Up to 90% without condensation
Overall Dimension	Approx. 108.5mm (H) x 18mm (W) x 80mm (D)
Weight	110 gr.
Protection Class	IP20
Mounting	Standard 35mm DIN rail
Hardware Diagnostics	
Input Status	Green LED
Software Diagnostic	
GND	Earth connection presence
Temperature	High temperature detection
Installation and Weight	
Installation	DIN rail 35mm standard EN 60715
Weight	110 gr

	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/
--	--	--

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
UL	Compliant with UL 61010-1, UL 61010-2-210 SAFETY SU-CA: E543724
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending)

	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/
--	--	--

Layout and dimension

Height	108.5 mm
Width	18 mm
Depth	80 mm

	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/
--	--	--

Reference documents

Full technical data sheet: OPRIODIM00