Module for automatic loading systems (linear - circular - vibrating hopper)

MCP01

Amp. 6/8/10

115V 230V

option Modbus

General

This Module **MCP01** can be used for the automatic driving of a system made up by a vibratory hopper, cylindrical vibratory feeder, linear vibratory feeder or conveyor belt with 2 PNP sensor, output blow air, alarm time out.

General Characteristics

The **MCP01** module allows you to adjust the vibration amplitude of up to 2 vibrating systems • select 3000/6000 V/m • ramp time • ON/OFF delay of the vibrator with a PNP sensor • air blow • part-flow loss time with alarm. The total maximum current is 16A.

Applications

Control of vibrating hopper, circular vibrator or linear vibrator, with PNP level sensor in the circular or linear unit and PNP overflow sensor on the linear unit (both with time delay), and air blow for part-flow loss with alarm.

Options

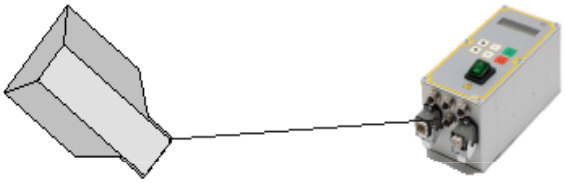
Personalized label • Connector for vibrator • SW custom.

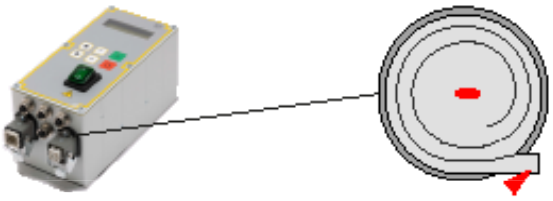
Technical Specs

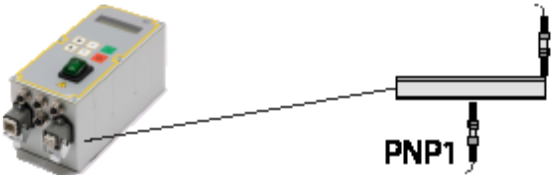
Supply Voltage:	(115V)230V +/- 5% 50/60Hz
Current Max:	16A
Fuses:	6,3A F 250V 5x20 H 1500 A (EN 627-2 CEI)
Min. Load:	50 mA (RMS)
Frequency of Vibration:	3000/6000 V/min. (50Hz)
Time of Ramp:	0,2 sec. or 2 sec. (modifiable)
Regolation Min.:	80V +/- 30%
Regolation Max:	200V - 30%
Delay T1/T2:	0-10 sec.
Alarm Time:	0-15 sec.
Sensor Input:	optoisolated NPN/PNP
Degree of pollution:	2
Position of Assemblage:	horizontal or vertcal
Degree of Protection:	IP54 in box (only circuit IP00)
Temperature of Storage:	-15 °C / + 80 °C
Temperature of Operation:	-5 °C / + 45 °C
Range of Relative humidity:	80% till to 31°C
Installation Class:	II
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)



METALLIC BOX
MCP01
PV MCP01 Z2 STD
100x225x210



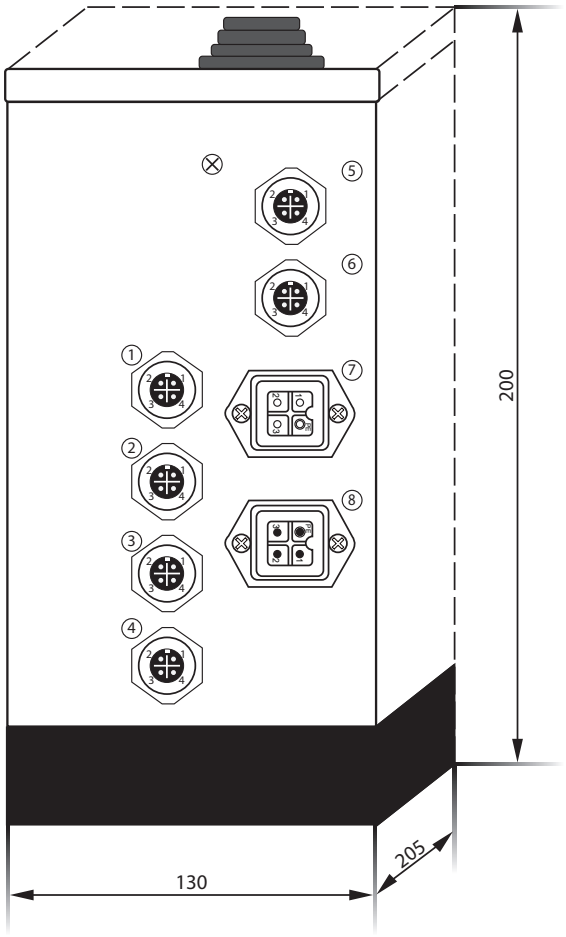




Available Versions

Type	Box	Colour	Dimensions	Code	Price €
MCP01	Metallic	GREY	100 x 225 x 210	PV MCP01 Z2 STD	

DIMENSIONS/CONNECTIONS





M12 CONNECTORS

1 SENSOR 1

1	*+24V*
2	
3	*GND*
4	*INPUT*
5	

6 SENSOR 4

1	*+24V*
2	*STATUS CH1*
3	*GND*
4	*INPUT FC4*
5	*EV ON/OFF*

2 SENSOR 3

1	*+24V*
2	
3	*GND*
4	*INPUT*
5	

7 CHANNEL 1

1	VIBRATOR
2	VIBRATOR
3	
PE	GND

3 ENABLE/CHANNELS

1	*+24V*
2	*CH1*
3	*GND*
4	
5	

8 LINEA 230V

1	L
2	N
3	
PE	GND

4 OUTPUT 1 - AIR JET

1	*+24V Out Air*
2	*Status*
3	*0 V*
4	*+24V Out 2*
5	

1	
2	
3	
PE	

5 TIME OUT/COUNTER

1	*+24V TO CH1*
2	*OUT COUNTER 24V*
3	*0 V*
4	
5	

1	
2	
3	
PE	

STANDARD MODEL

Digital Control MCP02 10Amp

M12 Connectors :

Input: *1°/3°/4° sensor PNP*

Input: *enable +24V – free-contact voltage*

Output: *Out1/Out2 signal +24V*

Output: *status +24V*

Output: *blow air +24V*

Output: *signal +24V time out*

NORMS OF GUARANTEE

1) The controller is guaranteed for a period of 1 year from the date shown on the inside.

2) The guarantee covers the free replacement or repair of components parts that are defective at origin for manufacturing.

3) The guarantee is not valid for damage caused accidentally due to improper use or negligence and in case of alterations or repair carried out by unauthorized persons.

Design and specifications could be subjected to change without notice.