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

MCP03

Amp. 6/8/10 | 115V 230V | IP 55 | option Modbus

General

The MCP12 module enables automatic operation of a feeding system consisting of a vibrating hopper, circular vibrator, and linear vibrator, with two PNP sensors, air-blow output, and part-flow loss alarm, with all parameters selectable via the keypad.

General Characteristics

The MCP12 module allows adjustment of the vibration amplitude for up to three vibrating systems – selection of 3000/6000 V/m – ramp time – ON/OFF delay of the vibrator via PNP sensor – air blow – part-flow loss time with alarm. The total maximum currents are 10A, with 3A for the linear vibrator • 6A for the circular vibrator • 3A for the vibrating hopper.

Applications

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

Options

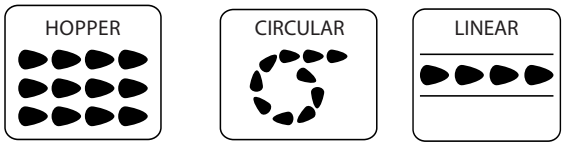
Personalized label • Connector for vibrator • SW custom.

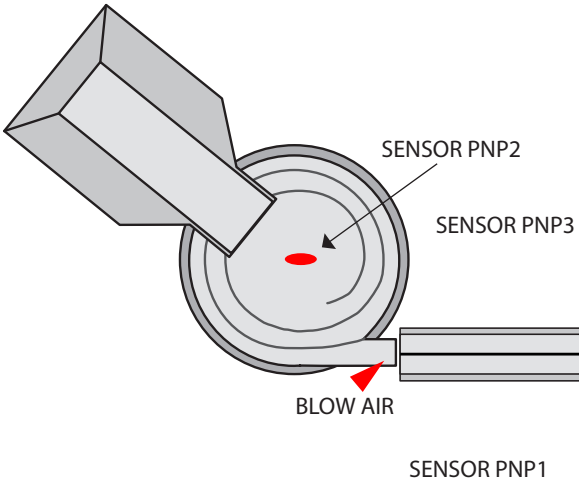
Technical Specs

Supply Voltage:	(115V) 230V ± 5% 50/60Hz
Current Max:	3A - 6A - 3A (RMS)
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 31°C
Installation Class:	II
Altitude:	till 2000 meters
European Norms:	EMC CE



METALLIC BOX
MCP12
PV MCP12 Z2 STD
100x225x210

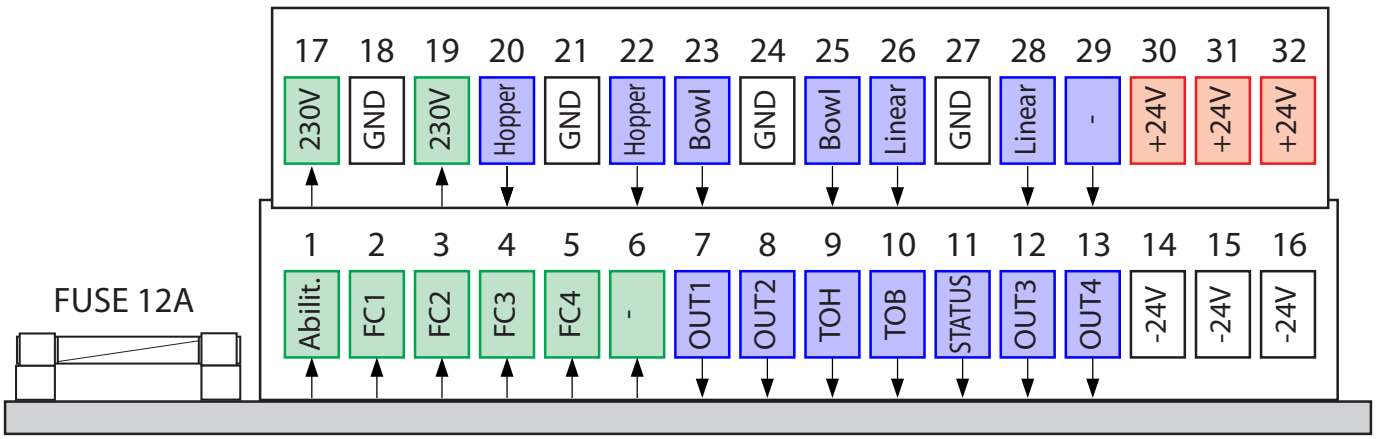




Available Versions

Type	Box	Colour	Dimensions	Code	Price €
MCP03	Metallic	GREY	130 x 225 x 210	PV MCP12 Z2 STD	

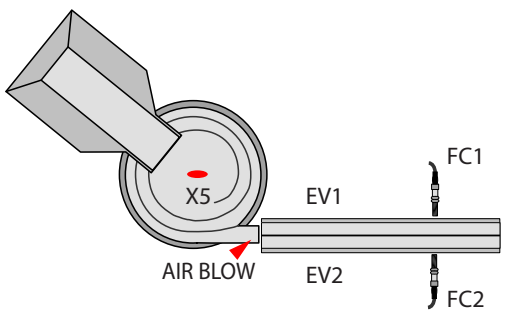
MORSETTIERA MR1-MR2



1	Enable	17	230V } LINE
2	FC1 - Sensor 1	18	GND } LINE
3	FC2 - Sensor 2	19	230V } LINE
4	FC3 - Sensor 3	20	Hopper } Hopper
5	FC4 - optional	21	GND } Hopper
6	Input 6	22	Hopper } Hopper
7	Out 1 - Air Blow	23	Circular Vibrator
8	Out 2 - Piece Presence	24	GND
9	TOH - Time Out Hopper	25	Circular Vibrator
10	TOB - Time Out Circular	26	Linear Vibrator } Linear
11	Stato +24V	27	GND } Linear
12	Out 3 - optional	28	Linear Vibrator } Linear
13	Out 4 - optional	29	Output 8 - optional
14	-24V	30	+24V
15	-24V	31	+24V
16	-24V	32	+24V

MDL/MCP

Menù : ALT MODE>YES (Circular operation with linear dual-track)



FC1	FC2	EV1	EV2	X5
0	0	0	0	1
1	0	1	0	1
0	1	0	1	1
1	1	1	1	0