

Setpoint modules MPZ

Technical data

FESTO

Setpoint module MPZ

Voltage

20 ... 30 V DC

Function

- Generation of 6+1 analogue setpoint values for the proportional pressure regulators MPPE, MPPES, VPPM, VPPE and MPYE
- Digital activation
- Output voltage adjustable via spindle potentiometer



General technical data			
Mode of operation		Digital/analogue circuit with analogue output	
Electrical connection		Screw terminal	
Connection cross section	[mm ²]	2.5	
Operating voltage range	[V DC]	20 ... 30	
Adjustable output voltage	[V DC]	0 ... 10	
Max. output current	[mA]	27	
Power consumption at 24 V DC	[W]	1.5	
Supply for setpoint adjustment	Voltage	[V]	10 ... 10.6
	Current	[mA]	6 ... 6.36
External setpoint input	Voltage	[V DC]	0 ... 10
	Potentiometer	[kΩ]	2.5 ... 10
Setpoint activation	Input resistance	[kΩ]	3
Residual ripple		[%]	Max. 10
Display	Ready		Green LED
	Setpoint active		Yellow LED
Type of mounting			On H-rail
Mounting position			Any
Product weight	[g]		80

Operating and environmental conditions		
Ambient temperature	[°C]	0 ... 60
Protection class		IP20
CE marking (see declaration of conformity)		To EU EMC Directive
Corrosion resistance class CRC ¹⁾		2

1) Corrosion resistance class 2 according to Festo standard 940 070
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

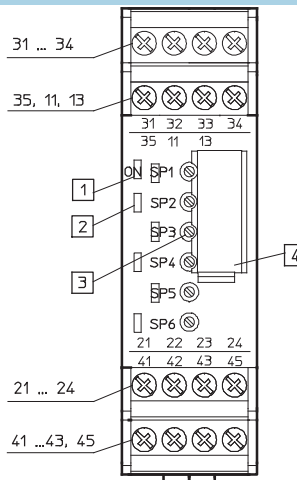
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Connections and control elements

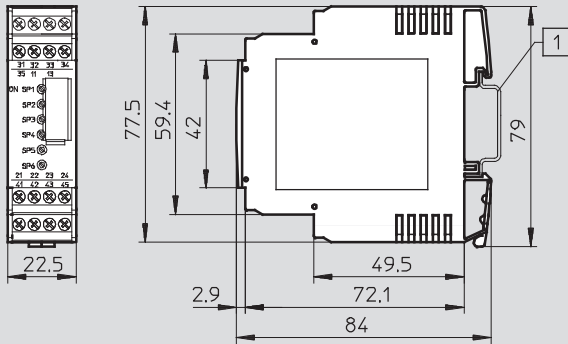
Connections			Priority
31	Activate setpoint 1	SP1	1 (highest)
32	Activate setpoint 2	SP2	2
33	Activate setpoint 3	SP3	3
34	Activate setpoint 4	SP4	4
35	Activate setpoint 5	SP5	5
11	Activate setpoint 6	SP6	6
13	Control line	0 V	-
21	Control line	0 V	-
22	External setpoint input	$U_{w, in} = 0 \dots 10 \text{ V DC}$	7 (lowest)
23	Control line	10 V DC	-
24	Screening	PE	-
41	Control line	0 V DC	-
42	Setpoint output	$U_{w, out}$	-
43	Power supply	-	-
45	Power supply	+	-



- 1 Operational status display, green LED
- 2 Setpoint display active (SP1 ... SP6), yellow LED
- 3 Setpoint potentiometer SP1 ... SP6
- 4 Inscription label

Dimensions

Download CAD Data → www.festo.com/us/cad



- 1 H-rail to DIN EN 60715

Ordering data

	Description	Part No.	Type
	Setpoint module for generating 6 + 1 analogue voltage signals	546224	MPZ-1-24DC-SGH-6-SW

Product Range and Company Overview

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Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



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Complete custom engineered solutions



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PLCs and I/O Devices
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Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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