Setpoint modules MPZ

Technical data

FESTO

Setpoint module MPZ

Voltage
20 … 30 V DC

Function
- Generation of 6+1 analogue set-point 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		[mm²]	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 … 10 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	+	–
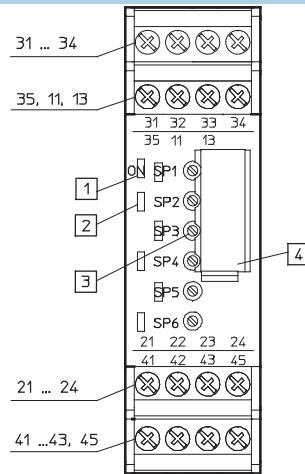
[1] Operational status display, green LED
[2] Setpoint display active (SP1 … SP6), yellow LED
[3] Setpoint potentiometer SP1 … SP6
[4] Inscription label

Dimensions

Download CAD data ➔ www.festo.com
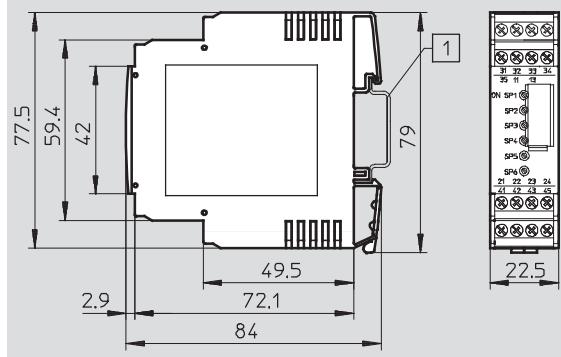
[1] H-rail to DIN EN 60715

Ordering data

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

➔ **Internet: www.festo.com/catalogue/…**