

**Serie MPZ**



- |   |                         |
|---|-------------------------|
| • <b>Zum Anbau von Potentiometer</b><br>To mount external potentiometer       |                         |
| • <b>Anzahl Potentiometer</b><br>Number of potentiometer                      | 1...3 (2W)              |
| • <b>Widerstandswerte</b><br>Resistance                                       | 100R...50K (Ω)          |
| • <b>Endlagenkontakte einstellbar</b><br>Adjustable limit switches            | 2                       |
| • <b>Nutzkontakte</b> (frei programierbar)<br>Program channels (free setting) | 1...4                   |
| • <b>Schnellbefestigung</b><br>Quick rail mounting                            | 35 DIN 46277 / EN 50022 |

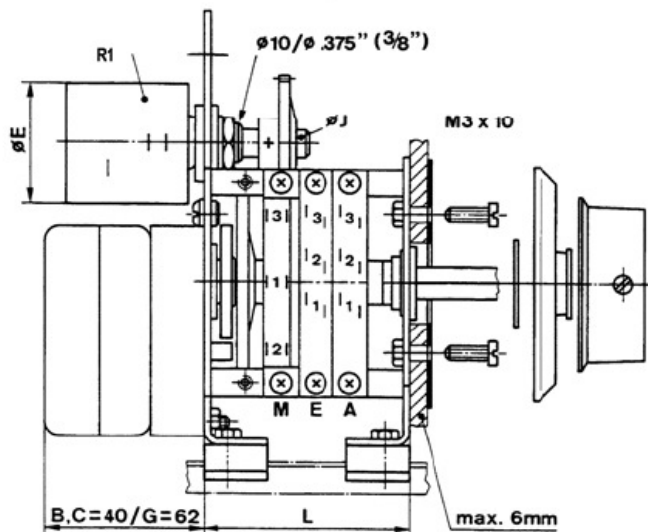
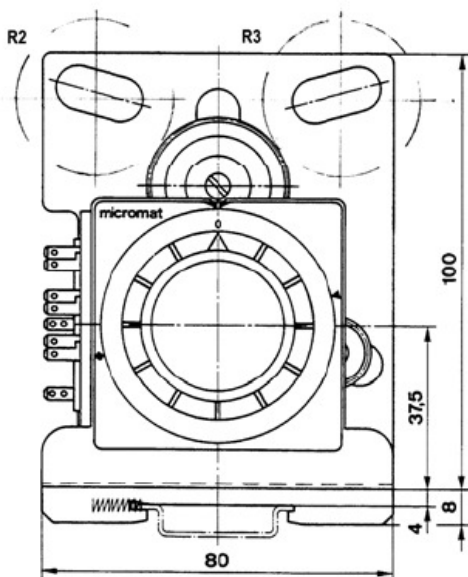
**Application:**

- Motorized potentiometers are basically the best in the field of control and regulation technics
- The possibility to mount several potentiometers on the same shaft allows also a remote display of the position of the potentiometer
- Supplementary cams can be used to give limit signals depending on the position of the potentiometer
- Supplementary cams can also be used to offset a residual resistance of the potentiometer at the zero point
- One supplementary cam can be used as zero point interlocking

**Design:**

- High precision wire-wound potentiometer with high resolution and linearity
- Potentiometer directly driven by the cam shaft
- Two adjustable limit switches controlling the rotation angle of the potentiometer
- Solid mechanical Stopps preventing damage to potentiometers
- Available with AC or DC motors
- Friction clutch protecting the unit when manually operated
- The modular design allows quick delivery practically without delay, voltage resistance and cycle time according to your requirements

**Outline drawing**



## Serie MPZ

### Order key

MPZ41

04

1

C1

1

1

0

incl. 1 Potentiometer, each further costs additionally in accordance with price list accessories  
max. 3 Potentiometer

#### Size / Dimension (mm) / Number of switches:

4 -->Size	
55 mm -->Dimension (L)	
<b>04</b> = 2 Switches	
2 Adjustable limit switches (NK4101/20°) + 0 Program channels free setting (NK4201)	
6 -->Size	
71 mm -->Dimension (L)	
<b>06</b> = 4 Switches	
2 Adjustable limit switches (NK4101/20°) + 2 Program channels free setting (NK4201)	
1 Program key (PSN)	
9 -->Size	
95 mm -->Dimension (L)	
<b>09</b> = 6 Switches	
2 Adjustable limit switches (NK4101/20°) + 4 Program channels free setting (NK4201)	
1 Program key (PSN)	

#### Cycle times (sec.):

1 = 20s	2 = 30s	3 = 45s	
4 = 60s	5 = 90s	6 = 120s	7 = 180s

#### Synchronous motor: Power supply (AC / DC) Frequency 50Hz (60Hz)

	CW	CCW	
<b>C1</b> = 24	/ 24V		AC
<b>C2</b> = 48	/ 48...	50V	AC
<b>C3</b> = 110	/ 110...	120V	AC
<b>C4</b> = 220	/ 220...	240V	AC
<b>G1</b> = 24	/ 24V	± 0.1	DC
<b>G2</b> = 12	/ 12V	± 0.1	DC

On request

#### 10-Turn-Precision wire wound potentiometer (Type DPZ, 2W): Resistance

1 = 100Ω	2 = 200Ω	3 = 500Ω	4 = 1KΩ
5 = 2KΩ	6 = 5KΩ	7 = 10KΩ	

#### 10-Turn-Precision wire wound potentiometer (Type DPZ, 2W): Resistance

8 = 2.5KΩ	9 = 20KΩ	10 = 50KΩ
-----------	----------	-----------

#### Wire-wound potentiometer: Resistance

0 = -
1 = PRSG.2
2 = PSG.2
3 = PRSG.3
4 = PSG.3

Ex.: MPZ4104-7-G2-1094

meant for the potentiometer choice:  
R1=50KΩ, R2=20KΩ, R3=1KΩ

Special products will be produced under a new article number.