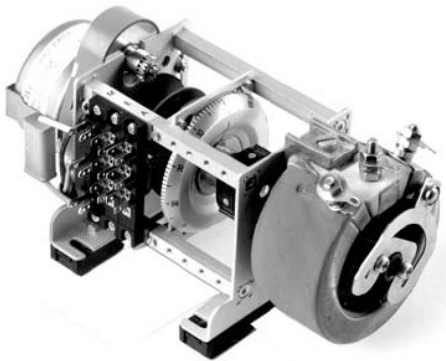


# 1 Turn-Motorized potentiometer 1 Gang-Motorpotentiometer

## Serie MPPS



- **Zum Einbau von Potentiometer mit höherer Leistung**  
Potentiometer with higher performance
- **Hohe Belastbarkeit** **20W / 60W / 170 W**  
High Power rating
- **Widerstandswerte** **10R...50K (Ω)**  
Resistance
- **Endlagenkontakte einstellbar** **2**  
Adjustable limit switches
- **Nutzkontakte** (frei programierbar) **1...4**  
Program channels (free setting)
- **Schnellbefestigung** **35 DIN 46277 / EN 50022**  
Quick rail mounting

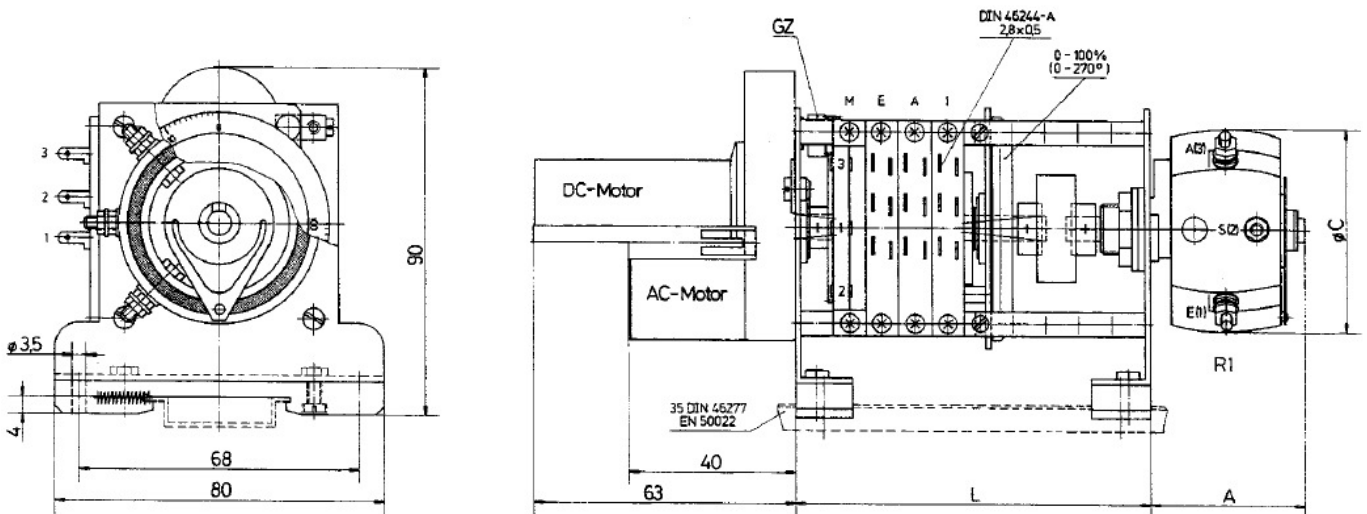
### Application:

- 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



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## Serie MPPS

### Order key

MPPS41 07 1 C1 1 1

max. 3 Potentiometer

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

7	-->Size	79 mm	-->Dimension
07	= 2 Switches	2 Adjustable limit switches (NK4101/20°) + 0 Program channels free setting (NK4201)	
8	-->Size	87 mm	-->Dimension
08	= 3 Switches	2 Adjustable limit switches (NK4101/20°) + 1 Program channels free setting (NK4201) 1 Program key (PSN)	
11	-->Size	111 mm	-->Dimension
11	= 6 Switches	2 Adjustable limit switches (NK4101/20°) + 4 Program channels free setting (NK4201) 1 Program key (PSN)	

#### Cycle times (sec.):

1	= 10s	2	= 15s	3	= 20s	4	= 30s	5	= 45s
6	= 60s	7	= 75s	8	= 90s	9	= 120s	10	= 180s

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

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

On request

#### Wire-wound potentiometer: Type

1	= DP1	2W
2	= DPM20	20W
3	= DPM60	60W
4	= DPM170	170W

#### Wire-wound potentiometer: Resistance

1	= 2Ω	2	= 3Ω	3	= 5Ω	4	= 10Ω	5	= 20Ω
6	= 25Ω	7	= 50Ω	8	= 100Ω	9	= 200Ω	10	= 250Ω
11	= 500Ω	12	= 1K0	13	= 2K0	14	= 2K5	15	= 5K0
16	= 10K	17	= 15K	18	= 20K	19	= 25K	20	= 50K

Ex.: MPPS4107-9-G1-3-20203

meant for the potentiometer choice:  
R1=50KΩ, R2=50KΩ, R3=5KΩ

Special products will be produced under a new article number.