

1 Turn Potentiometer with limit switches 1 Gang Potentiometer mit Endschalter

Serie HPFF



- **Handfeineinstellung mit 5-fach Auflösung**
Manual fine adjustment 5 turn resolution
- **Feindrahtpotentiometer** **R1...R3 (5W)**
Wire-wound potentiometer
- **Widerstandswerte** **100R...10K (Ω)**
Resistance
- **Nutzkontakte** (frei programierbar) **1...4**
Program channels free setting
- **Türeinbau, Frontbefestigung**
Panel mounting, Door installation
- **Mechanischer Endanschlag zum Schutze der Potentiometer**
Solid mechanical stops for potentiometer protection

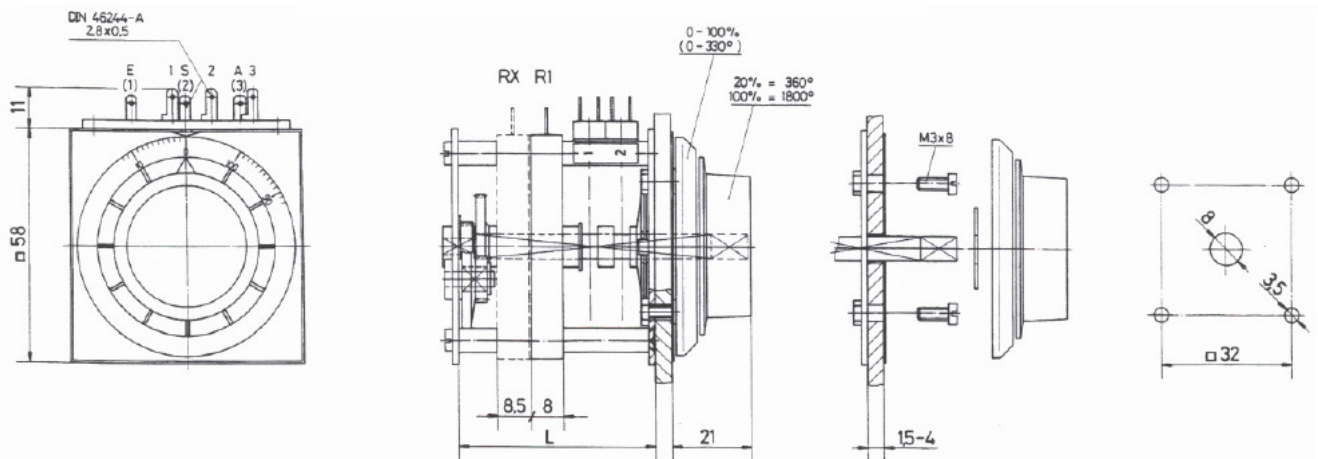
Application:

- 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

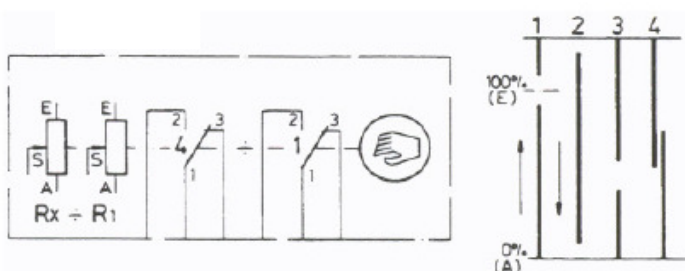
Design:

- 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 Stops 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



Electrical Connection



Technische Änderungen vorbehalten / Subject to change without prior notice

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Order key

HPFF 00 1 1 1 1

Manual fine adjustment (5 turn resolution)

Each further potentiometer costs additionally in accordance with price list accessories
max. 3 Potentiometer

Size / Dimension (mm) / Number of switches:

19 mm --> Dimension (L)
00 = 0 Switches
0 Adjustable limit switches (NK4101/20°) + 0 Program channels free setting (NK4201)

1 --> Size
23 mm --> Dimension (L)
01 = 1 Switches
1 Program channels free setting (NK4201)
1 Program key (PS)

2 --> Size
31 mm --> Dimension (L)
02 = 2 Switches
2 Program channels free setting (NK4201)
1 Program key (PS)

3 --> Size
46 mm --> Dimension (L)
03 = 3 Switches
3 Program channels free setting (NK4201)
1 Program key (PS)

4 --> Size
54 mm --> Dimension (L)
04 = 4 Switches
4 Program channels free setting (NK4201)
1 Program key (PS)

5-Turn-Precision wire wound potentiometer (Type DPC, 5W): 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 = 20KΩ 9 = 50KΩ

Interface:

0 = -
1 = MR265

Retaining spring

0 = -
1 = Retaining spring

Ex.: HPFF04-221-1-1
meant for the potentiometer choice:
R1=200Ω, R2=200Ω, R3=100Ω

Special products will be produced under a new article number.