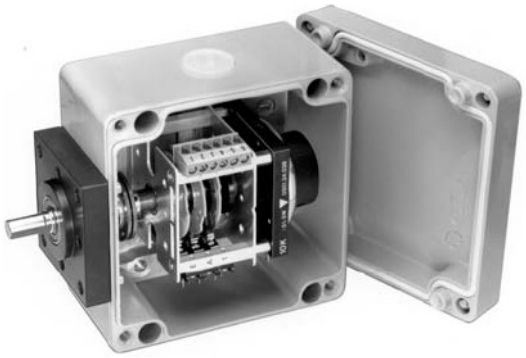
Potentiometer Geared limit switches
Potentiometer Getriebeendschalter

MICRONOR
automation components

Serie DWG 120



- **Widerstandwerte** 100R...100K (Ω)
  Resistance
- **Programmkanäle** (einstellbar) 2 + 3
  Program channel (free setting)
- **Eingangsübersetzungen** 1:1...2500 : 1
  Input ratios
- **Mikroschalter** 4A 250V AC 1A 60V DC
  Snap action switches
- **Schutzart** IP 64
  Protection

Application:

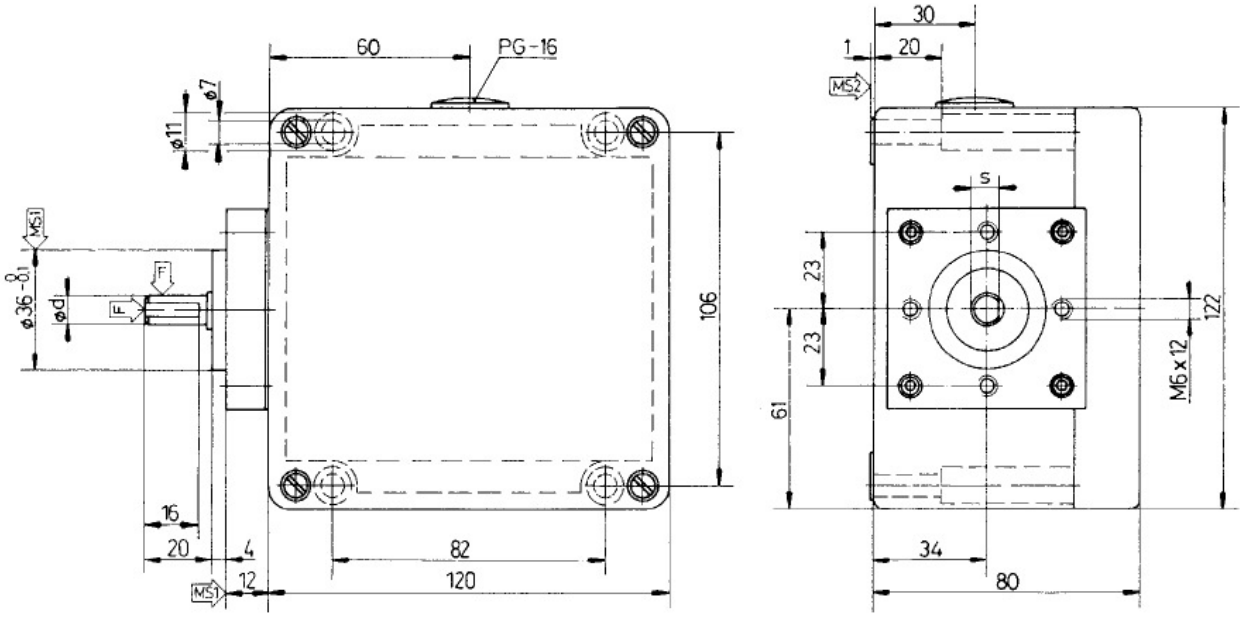
- Motorized potentiometers are basically the best in the field of control and regulation technics
- The possibility to mount several potentiometers on the same shaft allows also a remote display of the position of the potentiometer
- Supplementary cams can be used to give limit signals depending on the 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 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

ød = 9-h8 s = 8,5 F = ⇨40 N ⇩80 N MS = Montagefläche / Mounting surface



Serie DWG 120

Order key

DWG120	2	U1	1

Alu-diecasting / Colour (RAL 7001 grey)

Size (mm) / Number of switches:

		Dimension: 2 2 Switches
2	=	2 Adjustable limit switches (NK4101.20°) 0 Program channels (free setting) (NK4201) Knob and scale SK100 (0...100%)
		Dimension: 3 3 Switches
3	=	2 Adjustable limit switches (NK4101.20°) 1 Program channels (free setting) (NK4201) 1 Program key (PSN) Knob and scale SK100 (0...100%)

Input ratios (Shaft to switches + Potentiometer): --> U = one stage; M = more stage

U1	=	1:1	**M1**	=	12,5:1
U2	=	1,25:1	**M2**	=	20:1
U3	=	1,5:1	**M3**	=	25:1
U4	=	2:1	**M4**	=	37,5:1
U5	=	2,6:1	**M5**	=	40:1
U6	=	2,75:1	**M6**	=	52,5:1
U7	=	3,5:1	**M7**	=	75:1
U8	=	4:1	**M8**	=	100:1
U9	=	5:1	**M9**	=	200:1
U10	=	6,5:1	**M10**	=	300:1
			M11	=	420:1
			M12	=	600:1
			M13	=	750:1
			M14	=	1200:1
			M15	=	2250:1
			M16	=	2500:1

Wire-wound potentiometer:

1	=	200Ω	**6**	=	10KΩ	
2	=	500Ω	**7**	=	100Ω	On request
3	=	1KΩ	**8**	=	20KΩ	On request
4	=	2KΩ	**9**	=	100KΩ	On request
5	=	5KΩ				