

## MPC VAC SERIE



For control unit, switching programs



- ➔ Wire-wound potentiometer (5W)
- ➔ Resistance 100R ... 100K
- ➔ Adjustable limit switches
- ➔ Plastic housing with AC motor

### Product description

High class motorized potentiometer with fine draw potentiometer. Easy and fast programmable of each channel. Different cycle time are available for maximum use of potentiometer range.

### Application

Any time controlled application which has to be controlled with micro switches. Usable in motors, locking and emergency backup generators.

### Technical Data

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Cycle time	(see order code)
Cam	NK
Adjustable limit switches	NK4101/20°
Program channels (free setting)	NK4201/180°
Snap action switch	KS25B4
Mechanical life time	> 20 Mill.
Switching frequency	5 Hz
Contact chatter time	<4 ms
Actuating speed	>10 µm/s
Contact break	0,6 mm
Contact pressure	0,2 N
Temperature range	-40 °C +85 °C
MTBF (IEC 60050)	
Switch	ON/OFF 10 Mio cycle
Mechanical	200'000 hour
Shock resistance	2500m/s <sup>2</sup> , 6ms IEC 68-2-27
Vibrations resistance	200 m/s <sup>2</sup> , 10....2000 Hz IEC 68-2-6
Humidity	40% rh

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**Microswitch**



Type: KS25B4  
 Function: change over  
 Connection: Cable shoe 2.8x0.55mm  
 Contact material: Silver plated

**Cams**



Type: NK4201.180 °  
 Function: double cam  
 Adjustment range: 6 - 180° (free programmable)  
 Material: Grilon T300

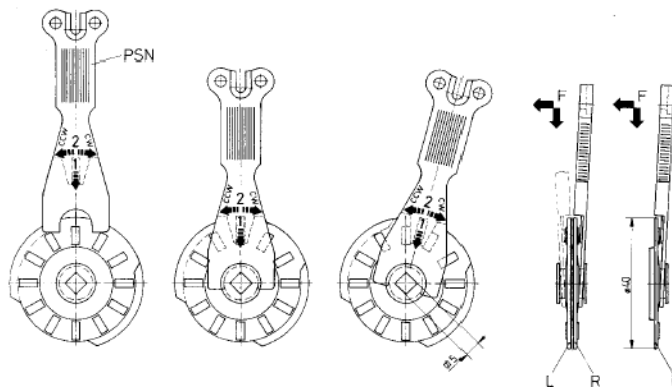
**Potentiometer**



Type: DPC  
 Resistant: See Order Code  
 Power: 5W  
 Turning angle: 330°

**Adjusting guideline of NK cams**

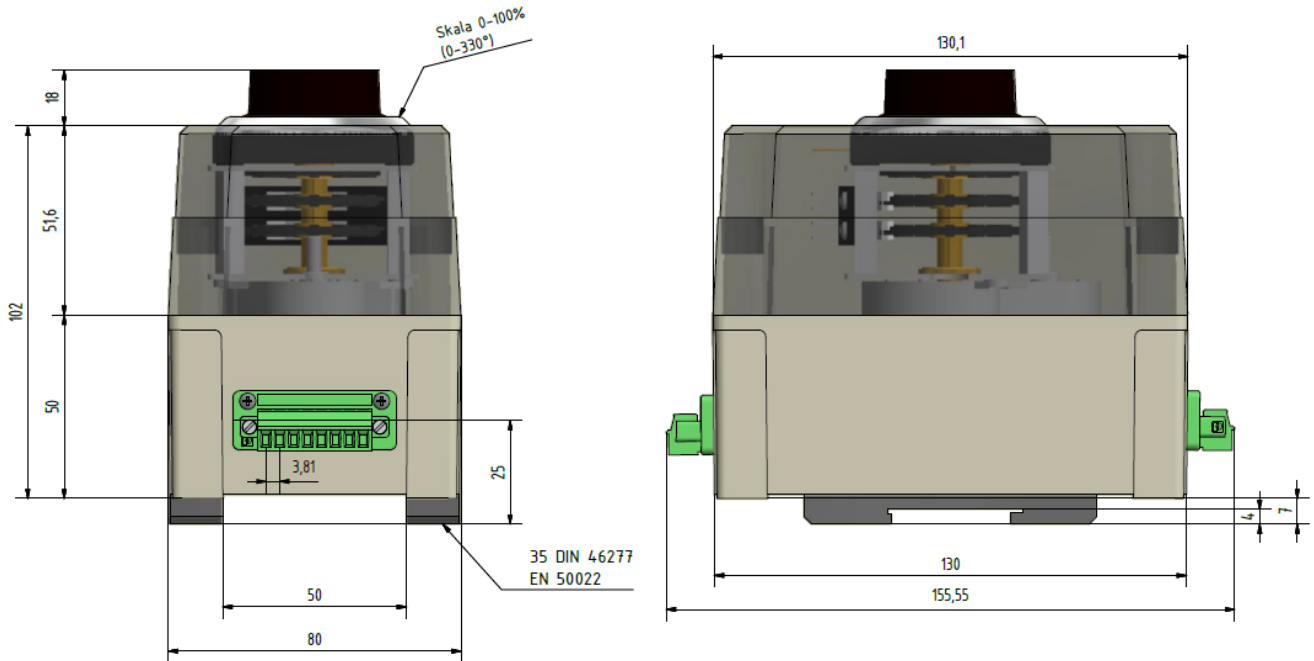
To adjust the NK cam use PSN programming Key which is included in the shipment. Put them to the NK cam and turn until you get the right switching point of your switch.



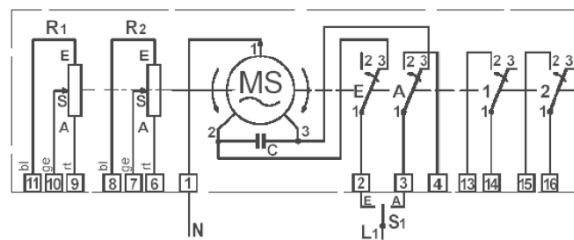
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### Dimension in mm



### Electrical connection



#### Admittance:

Over voltage category II: Connection with a **firm (fixed) electric installation within a casing or building is allowed**

Insulant group III of the plug under pollution level 3:

There appears conductive pollution or dry, non-conductive pollution, but no constant conductivity

Recommendation: screw the wires with the plug unplugged

#### loose with supplied

2x plug connector with screw wedges

# 1-Turn Motorpotentiometer in protective housing

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### Order code

906 x. x x. x 0 0

	SIZE					
0	Size 0 - 0 switches					
2	Size 2 - 2 switches (KS25B4), end switches adjustable (NK4101/20°), knob outside no program key (PSN)					
3	Size 2 - 3 switches (KS25B4), 2 end switches adjustable (NK4101/20°), 1 user contact free programmable (NK4201), 1 program key (PSN), knob outside					
4	Size 3 - 4 switches (KS25B4), 2 end switches adjustable (NK4101/20°), 2 user contact free programmable (NK4201), 1 program key (PSN), knob outside					
CYCLE TIME						
1	10 sec					
2	15 sec					
3	20 sec					
4	30 sec					
5	45 sec					
6	60 sec					
7	75 sec					
8	90 sec					
9	120 sec					
MOTOR POWER (AC) 50Hz						
1	C-Motor AC 24V CW					
2	C-Motor AC 48V CW / CCW					
3	C-Motor AC 110V CW / CCW					
4	C-Motor AC 220V CW / CCW					
	60Hz Frequency on request					
RESISTANCE POTENTIOMETER DPC						
0	none					
1	500Ohm					
2	1kOhm					
3	2kOhm					
4	5kOhm					
5	10kOhm					
6	2.5kOhm					
7	20kOhm					
8	100kOhm					
0						
0						



**Do you have any Questions ?** Phone: +41 (0)44 843 40 20 or Mail: [sales@micronor.ch](mailto:sales@micronor.ch)