

Application

Servomotors are designed to rebuild control mechanisms by means of a direct, reversible move and constant speed. Servomotors control mainly the closing and pressure reducing valves.

Functional description

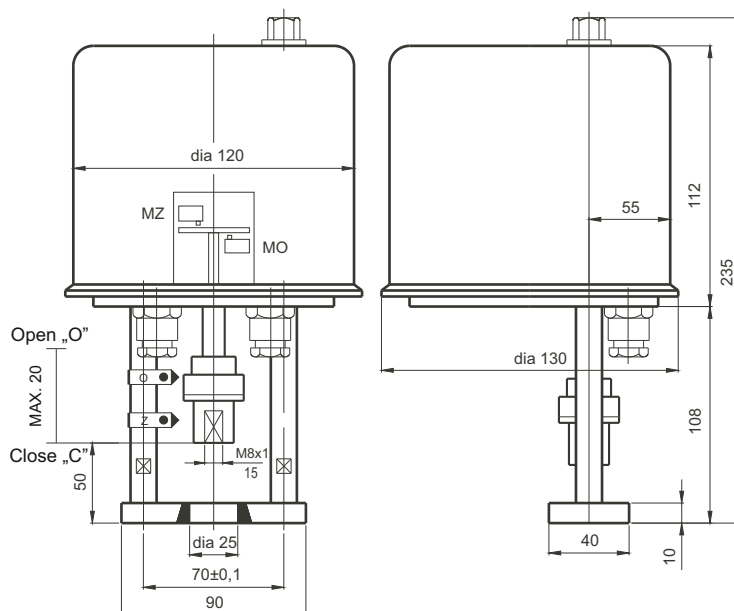
- selectable rated force and speed of movement
- selectable input signal
- selectable output signal
- selectable position microswitches
- hand operation inside cover



Technical data

- rated force 0,6 -1,2 kN
- speed of movement 10-16-25 mm/min
- input 3 point driving
4-20 mA
0-10 V
- output 100 ohm resistance
R/I 4-20 mA
R/U 0-10 V
- rated force switches
- adjustable position switches
- supply voltage 230VAC/24VAC
- frequency 50/60Hz
- power drain 8 VA
- ambient temperature from -20 to 60°C
- housing protection IP54
- weight 2.5 kg

Overall dimensions



Certifikace

- EU declaration of conformity
- ISO9001/2016



Specification table

PTN1- XX. X X. X X. X X

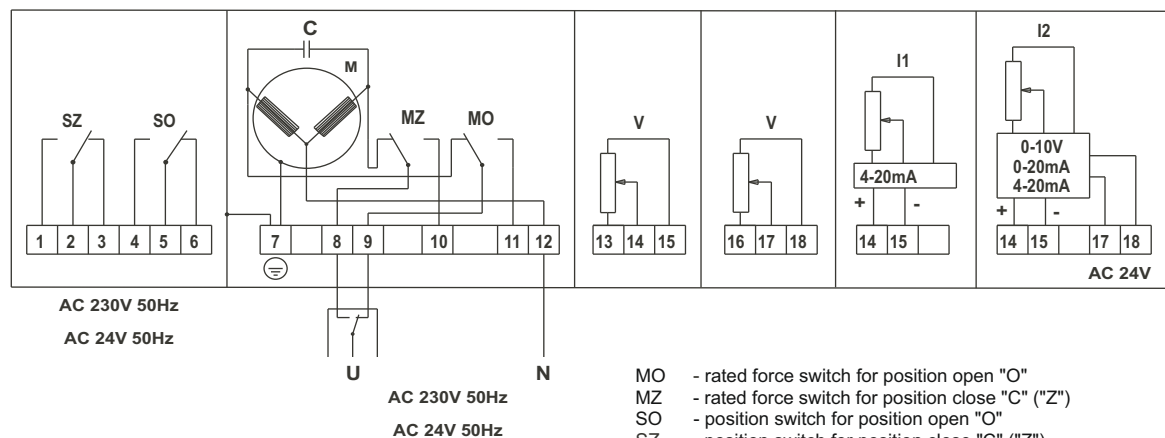
11	0,6 kN/ 10mm/min	Rated force/speed of movement
12	0,6 kN/ 16mm/min	
13	0,6 kN/ 25mm/min	
21	1,2 kN/ 10mm/min	
22	1,2 kN/ 16mm/min	
23	1,2 kN/ 25mm/min	
99	Acc. to the agreement	
0	230V/50Hz/60Hz	Supply voltage
2	24V/50Hz/60Hz	For 60Hz ops.add 20% to the speed
0	MO, MZ	Count and type of switches
2	MO, MZ, SO, SZ	MO, MZ - rated force open/close
9	Acc. to the agreement	SO, SZ - adj. position switches
0	without output signal	
1	Output 0-10V	
2	Output 0-20 mA	Separate power supply 24VAC
3	Output 4-20 mA	
4	Output 4-20 mA	24VDC - Two wire type
5	Output 0-100 ohm	Resistance transmitter
6	Output 2x 0-100 ohm	
9	Acc. to the agreement	
2	10 mm	
3	16 mm	draw bar elevation
4	20 mm	
9	Acc. to the agreement	
10	Flange D=25mm, columns spacing 70mm, clutch M8x1	
20	Flange D=44mm, spindle with cutting, bracket clutch	
30	Flange D=33mm, columns spacing 70mm, clutch M6	
40	Flange D=32mm, spindle with cutting, bracket clutch	
50	Flange D=40mm, spindle with cutting, bracket clutch	

Table is relevant for 3 point driving input.

According to agreement it is possible to provide servodrives with analog control input 0-1V, 0-10V, 0-20mA, 4-20mA.

In this case order as PTN 1-XX.XX.XX.XX / control 4-20mA

Electric wiring diagram



- MO - rated force switch for position open "O"
- MZ - rated force switch for position close "C" ("Z")
- SO - position switch for position open "O"
- SZ - position switch for position close "C" ("Z")
- M - electromotor
- C - condenser
- V - resistance transmitter 100 ohm
- I1 - resistance transmitter with R/I converter 4-20 mA- two wire type
- I2 - resistance transmitter with R/I converter 4-20 mA- four wire type