

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



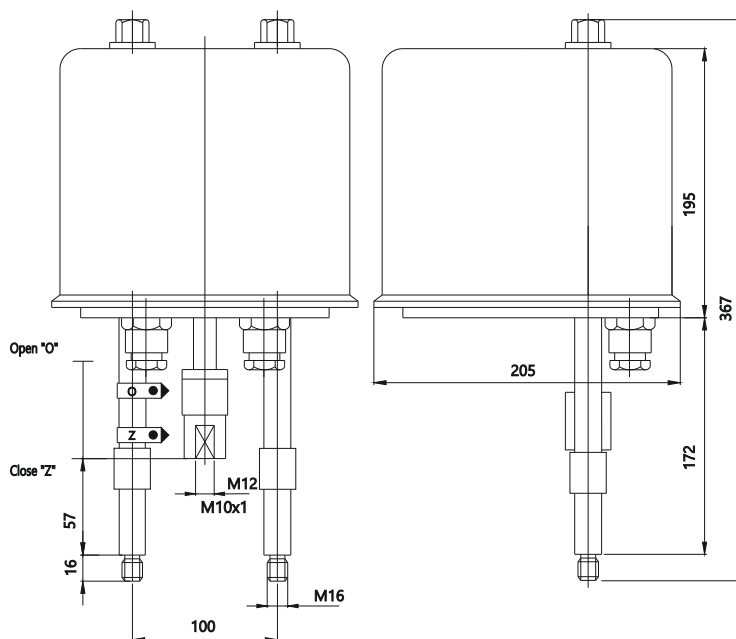
Technical data

- rated force 10 - 27 kN
- speed of movement 20-25-32-50-80 mm/min
- input 3 point
DMS3 4-20 mA
DMS3 0-10 V
- output 100 ohm resistance
R/I 4-20 mA
R/U 0-10 V
C/I 4-20 mA
- rated force switches
- position switches
- heating element
- supply voltage 230VAC/24VAC
- frequency 50/60Hz
- ambient temperature -20 až 60°C
- housing protection IP65

Certifikace

- EC declaration of conformity
- ISO9001/2016

Overall dimensions



Specification table

PTN7-	XX.	X	X.	X	X.	XX.
11						16 kN
12						16 kN
13						16 kN
14						16 kN
05						10 kN
21						20 kN
22						20 kN
23						20 kN
24						20 kN
15						16 kN
31						27 kN
32						27 kN
33						27 kN
36						27 kN
35						20 kN
99						Acc. to the agreement
	0					230V /50Hz/60Hz
	2					MO, MZ, KPO
	6					MO, MZ, SO, Sz, KPO
	8					MO, MZ, DMS3
	9					Acc. to the agreement
	0					Without
	1					Output 0-10 V
	2					Output 0-20 mA
	3					Output 4-20 mA
	4					Output 4-20 mA
	5					Output 0-100 ohm
	6					Output 2 x 0-100 ohm
	7					Output 4-20 mA Capacitance C/I transmitter
	8					Output - control unit DMS3
	9					Acc. to the agreement
	1					32
	2					40
	3					50
	4					62
	5					70
	6					80
	10					Columns M20
	20					Columns M20
	30					Columns M20 - extended

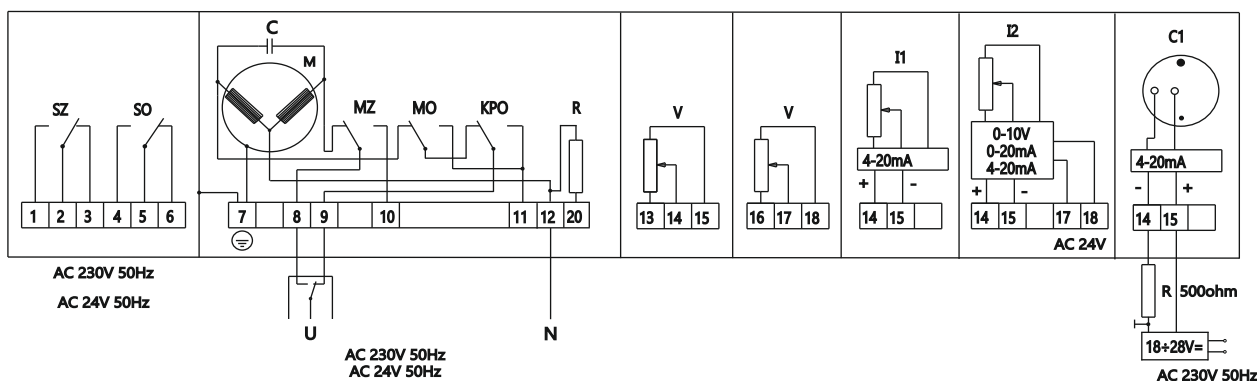
Table is relevant for 3 point driving input.

According to agreement it is possible to provide actuators with analog control input 0-10V, 0-20mA, 4-20mA and external hand operation wheel.

Version with control unit with output/input signal is ordered: DMS3-XX.XX according table DMS3.

For example: PTN7-XX.XX.XX.XX/DMS3-XX.XX

Schematic diagram



KPO - position switch for end position open "O"
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 "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
C1 - capacitance transmitter with C/I converter 4-20 mA