

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

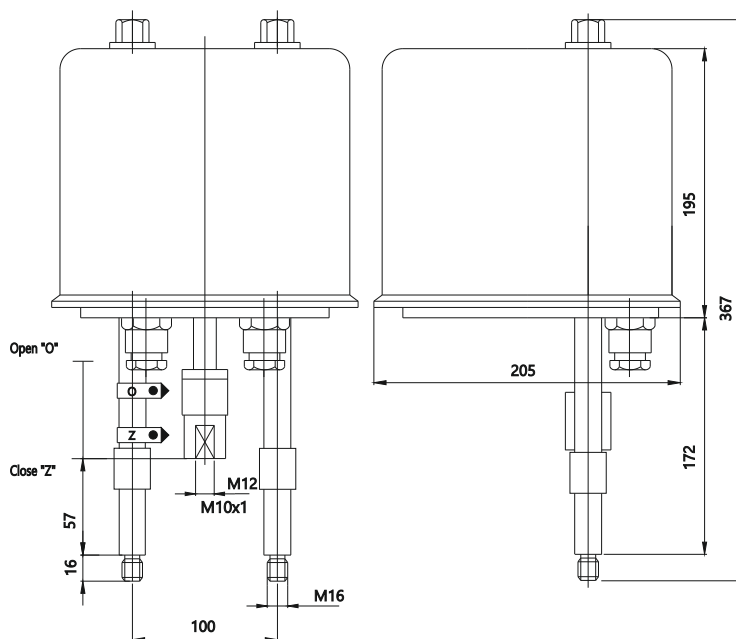
- rated force 4 -12 kN
- speed of movement 10-50 mm/min
- input 3 point
DMS3 4-20 mA
DMS3 0-10 V
- output 100 ohm resistance
R/I 4-20 mA
R/U 0-10 V
C/I 4-20 mA
- rated force switches
- position switches
- heating element
- supply voltage 230VAC/24VAC
- frequency 50/60Hz
- ambient temperature -20 až 60°C
- housing protection IP65

Certification

- EC declaration of conformity
- ISO9001/2016



Overall dimensions



Specification table

PTN6-	XX.	X	X.	X	X.	X	X.
	40					4 kN	Rated force
	63					6.3 kN	
	80					8 kN	
	10					10 kN	
	12					12 kN	
	90					Acc. to the agreement	
		0				230V /50Hz/60Hz	Supply voltage
		2				24V /50Hz/60Hz	For 60Hz op.s add 20% to the speed
			1			10 mm/min	Speed of movement
			2			16 mm/min	
			3			20 mm/min	
			4			25 mm/min	
			5			32 mm/min	
			6			50 mm/min	
			9			Acc. to the agreement	
				0		Without	
				1		Output 0-10 V	Resistance /U or I type
				2		Output 0-20 mA	Four wire type
				3		Output 4-20 mA	
				4		Output 4-20 mA	Two wire type, R/I
				5		Output 0-100 ohm	Resistance only transmitter
				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	
					0	Flange D=44, spindle with cutting 10, valve RV113, stroke 40	
					1	Columns M20, columns spacing 132 clutch M10x1	
					2	Columns M20, columns spacing 132 clutch M16x1,5	
					3	Flange D=57.5, clutch M12x1.25	
					4	Columns M16, columns spacing 100 clutch M12	
					5	Columns M20, columns spacing 160 clutch M12x1.25	
					6	Columns M20, columns spacing 160 clutch M16x1.5	
					7	Columns M20, columns spacing 150 clutch M16x1,5	
					8	Columns M20, columns spacing 150 clutch M20x1,5	
					9	Acc. to the agreement	
					2	MO; MZ; KPO	
					6	MO; MZ; SO; SZ; KPO	
					8	MO, MZ, DMS3 (SO, SZ part of DMS3)	
					9	Acc. to the agreement	
					4	16 mm	Bar elevation
					5	25 mm	
					6	32 mm	
					7	40 mm	
					8	50 mm	

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: PTN6-XX.XX.XX.XX/DMS3-XX.XX

Schematic diagram

