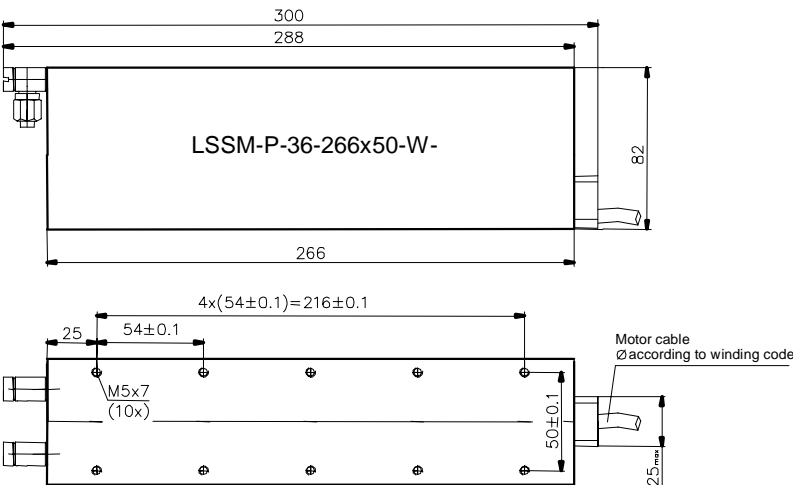


Serie LSSM - P - 36 – 266- 50...



Overall and join dimensions

Parameter	Symbol	Unit	50-...	
			FS	FT
Peak force (coil at 20°C)	Fp	N	1718	
Continuous force (coil at 120°C), water cooling	Fw	N	1275	
Continuous force (coil at 120°C), air cooling	Fa	N	634	
Detent force	Fd	N	20,6	
Attraction force of magnets	Fm	N	200	
Recommended supply voltage DC	Us	V	600	
Motor constant (coil at 20°C)	Ko	N/√W	50,9	
Peak power dissipation (coil at 20°C)	Pp	W	4554	4606
Continuous power dissipation (coil at 120°C), water cooling	Pw	W	1121	1164
Continuous power dissipation (coil at 120°C), air cooling	Pa	W	240	269
Coolant flow for temperature difference 5°C by power Pw	Cf	L/min	3,2	3,3
Maximum velocity at Fp and Us (Coil at 20°C)	Vp	m/s	1,4	2,5
Maximum velocity at Fw and Us (Coil at 20°C)	Vw	m/s	2,4	4,3
Maximum velocity at Fa and Us (Coil at 20°C)	Va	m/s	3,6	6,2
Peak current (RMS) at Fp and V=0	Ip	Arms	20,6	35,7
Continuous current at 120°C with water cooling at Fw and V=0	Iw	Arms	10,0	17,4
Continuous current at 120°C with air cooling at Fa and V=0	Ia	Arms	4,4	7,6
Efficiency at Mw and 540V DC (Coil at 20°C)	Ew	%	73,5	82,6
Back EMF constant (*) (peak phase-phase)	Ku	V/(m/s)	117,9	68,1
Electrical resistance at 20°C (*)	R	Ohm	5,37	1,79
Electrical inductance (*)	L	mH	70,5	23,5