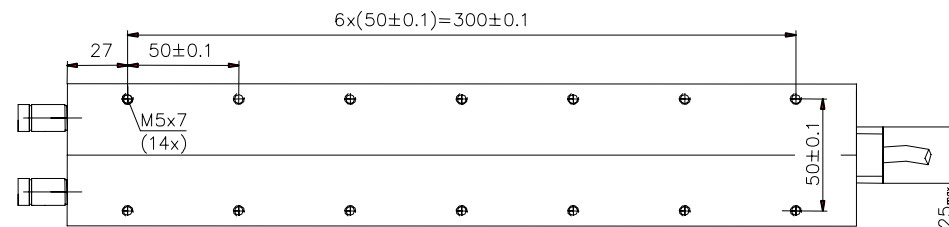
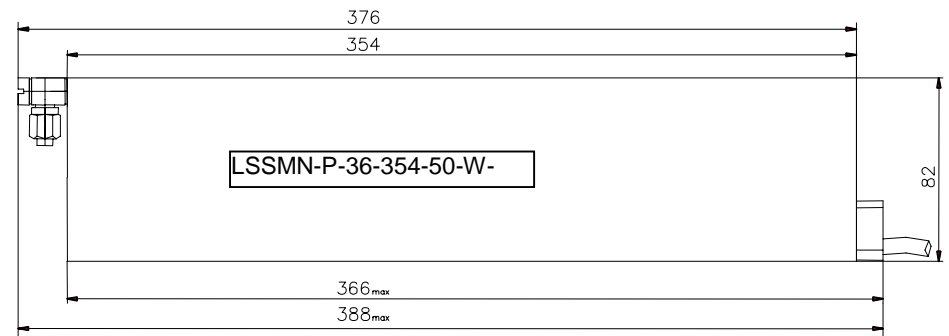


Serie LSSM - P - 36 – 354- 50...



Overall and join dimensions

Parameter	Symbo	Unit	50-...	
			FS	FT
Peak force (coil at 20°C)	Fp	N	2147	
Continuous force (coil at 120°C), water cooling	Fw	N	1594	
Continuous force (coil at 120°C), air cooling	Fa	N	792	
Detent force	Fd	N	25,8	
Attraction force of magnets	Fm	N	250	
Recommended supply voltage DC	Us	V	600	
Motor constant (coil at 20°C)	Ko	N/√W	56,9	
Peak power dissipation (coil at 20°C)	Pp	W	5674	5727
Continuous power dissipation (coil at 120°C), water cooling	Pw	W	1386	1430
Continuous power dissipation (coil at 120°C), air cooling	Pa	W	290	319
Coolant flow for temperature difference 5°C by power Pw	Cf	L/min	4,0	4,1
Maximum velocity at Fp and Us (Coil at 20°C)	Vp	m/s	1,0	2,0
Maximum velocity at Fw and Us (Coil at 20°C)	Vw	m/s	1,9	3,5
Maximum velocity at Fa and Us (Coil at 20°C)	Va	m/s	2,8	5,0
Peak current (RMS) at Fp and V=0	Ip	Arms	20,6	35,7
Continuos current at 120°C with water cooling at Fw and V=0	Iw	Arms	10,0	17,4
Continuos 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	%	68,7	79,4
Back EMF constant (*) (peak phase-phase)	Ku	V/(m/s)	147,3	85,1
Electrical resistance at 20°C (*)	R	Ohm	6,71	2,24
Electrical inductance (*)	L	mH	88,2	29,4