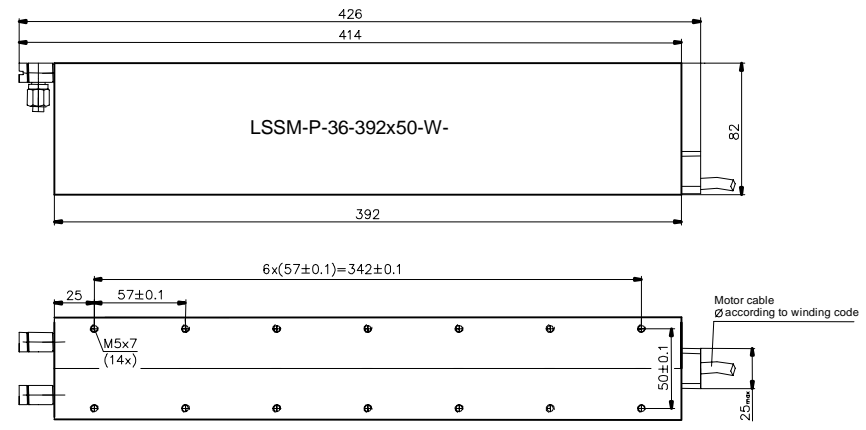


Serie LSSM - P - 36 – 392- ...



Overall and join dimensions

Parameter	Symbol	Unit	LSSM-P-36-392...	
			50-...	
			FS	FT
Peak force (coil at 20°C)	Fp	N	2577	
Continuous force (coil at 120°C), water cooling	Fw	N	1912	
Continuous force (coil at 120°C), air cooling	Fa	N	951	
Detent force	Fd	N	30,9	
Attraction force of magnets	Fm	N	300	
Recommended supply voltage DC	Us	V	600	
Motor constant (coil at 20°C)	Ko	N/√W	62,3	
Peak power dissipation (coil at 20°C)	Pp	W	6794	6847
Continuous power dissipation (coil at 120°C), water cooling	Pw	W	1651	1695
Continuous power dissipation (coil at 120°C), air cooling	Pa	W	341	369
Coolant flow for temperature difference 5°C by power Pw	Cf	L/min	4,7	4,9
Maximum velocity at Fp and Us (Coil at 20°C)	Vp	m/s	0,8	1,6
Maximum velocity at Fw and Us (Coil at 20°C)	Vw	m/s	1,6	2,8
Maximum velocity at Fa and Us (Coil at 20°C)	Va	m/s	2,3	4,1
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	%	64,3	76,3
Back EMF constant (*) (peak phase-phase)	Ku	V/(m/s)	176,8	102,1
Electrical resistance at 20°C (*)	R	Ohm	8,05	2,68
Electrical inductance (*)	L	mH	105,8	35,3