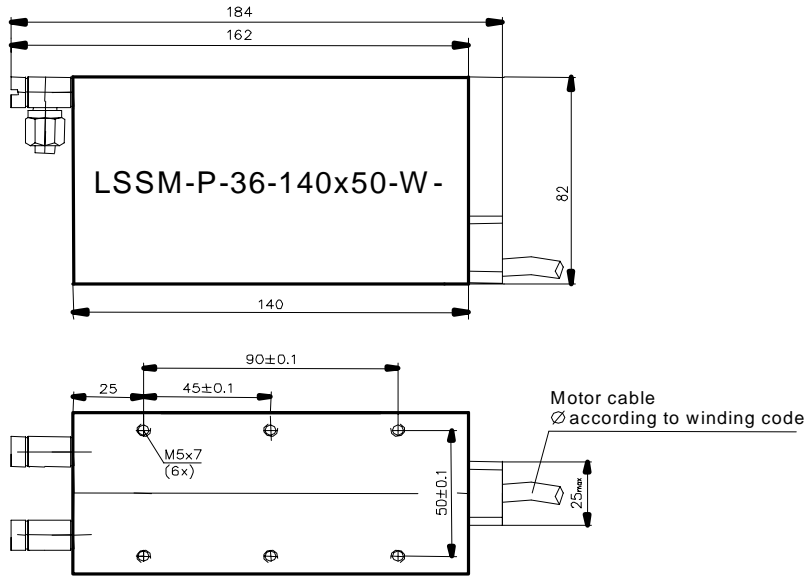


Serie LSSM - P - 36 – 140- 50...



Overall and join dimensions

Parameter	Symbol	Unit	50-...	
			FS	FT
Peak force (coil at 20°C)	Fp	N	859	
Continuous force (coil at 120°C), water cooling	Fw	N	637	
Continuous force (coil at 120°C), air cooling	Fa	N	317	
Detent force	Fd	N	10,3	
Attraction force of magnets	Fm	N	100	
Recommended supply voltage DC	Us	V	310	
Motor constant (coil at 20°C)	Ko	N/√W	36,0	
Peak power dissipation (coil at 20°C)	Pp	W	2278	2305
Continuous power dissipation (coil at 120°C), water cooling	Pw	W	561	584
Continuous power dissipation (coil at 120°C), air cooling	Pa	W	121	135
Coolant flow for temperature difference 5°C by power Pw	Cf	L/min	1,6	1,7
Maximum velocity at Fp and Us (Coil at 20°C)	Vp	m/s	1,4	2,6
Maximum velocity at Fw and Us (Coil at 20°C)	Vw	m/s	2,5	4,5
Maximum velocity at Fa and Us (Coil at 20°C)	Va	m/s	3,7	6,4
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	%	74,2	83,1
Back EMF constant (*) (peak phase-phase)	Ku	V/(m/s)	58,9	34,0
Electrical resistance at 20°C (*)	R	Ohm	2,68	0,89
Electrical inductance (*)	L	mH	35,3	11,8