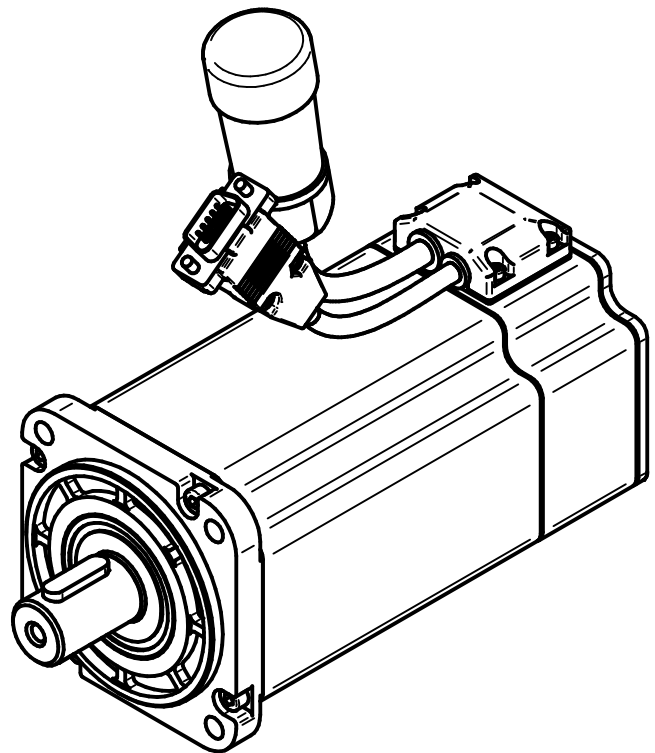
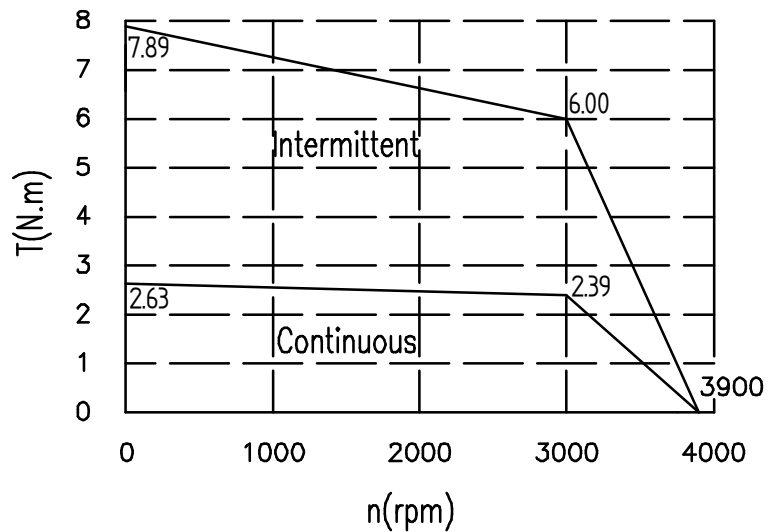


Technical Data

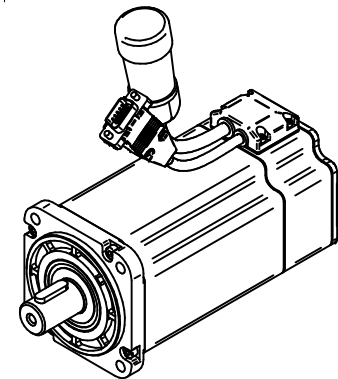
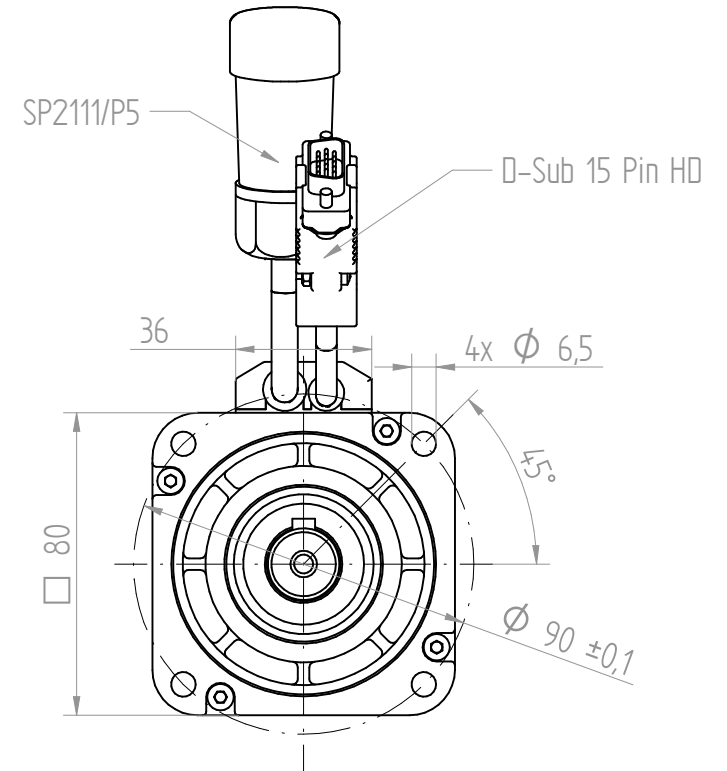
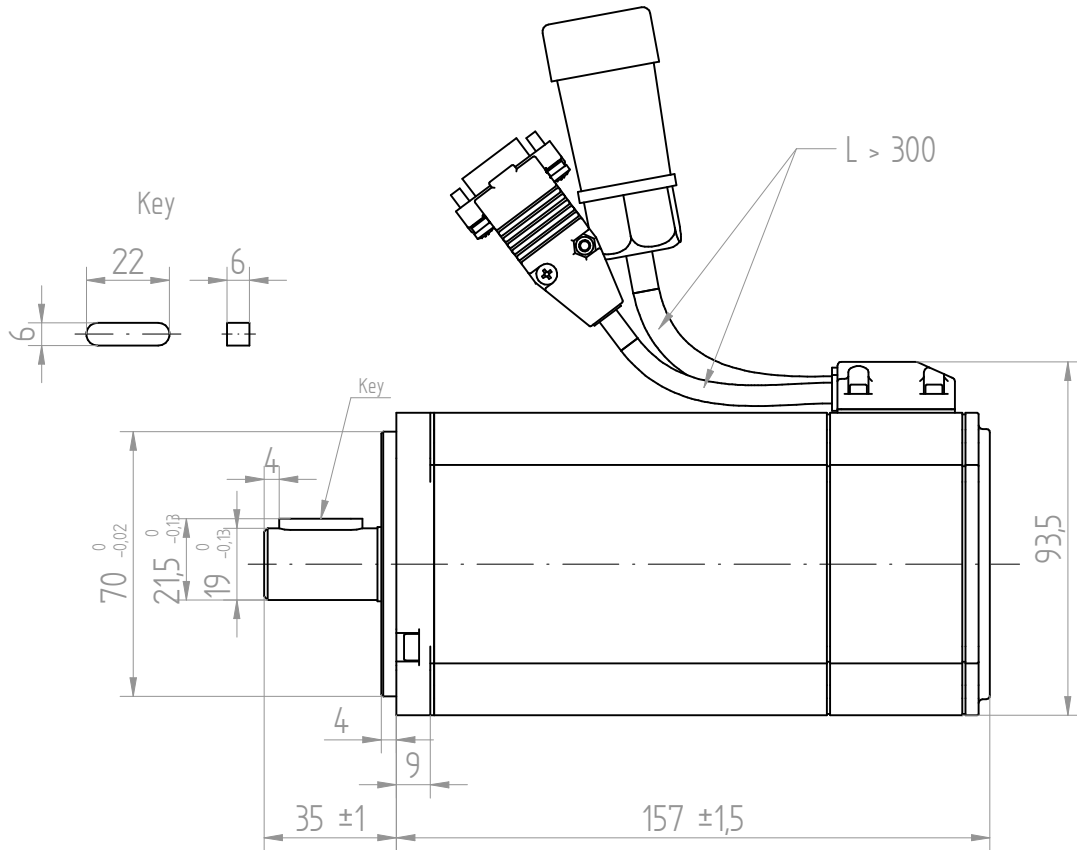
Number of poles	6	
Rated Voltage	48 V	
Rated Power	750 W	
Rated Torque	2.39 Nm	
Rated Speed	3000 rpm	
Rated Current (RMS)	18 A	
Maximum Torque	7.17 Nm	
Maximum Current (RMS)	45 A	
Standstill Torque	2.63 Nm	
Standstill Current	19.8 A	
Resistance line-line	0,089 Ohm $\pm 10\%$	
Inductance line-line	0,32 mH $\pm 20\%$	
Electrical time constant	3.58 ms	
Mechanical time constant	1.25 ms	
Voltage constant	8 V/krpm	
Torque constant	0.13232 Nm/A	
Rotor moment of inertia	1.42 kgcm ²	
Max. voltage rising	8 kV/ μ s	
Isulation class	F	
Max. radial force	335 N	
Max. axial force	167.5 N	
Weight	3.4 kg	
Feedback device	Incremental encoder	
	2500p/ rev	
	TS6014N115	
Cooling method	Totally enclosed non-ventilated	
Protection Level	IP65, shaft sealing IP54	
Environmental conditions	Temperature	-20°C to 40°C
	Humidity	Below 90%
	Environment	Far away active gas, combustible gas, oil drop, osh.
	Instalation altitude	UP TO 1000m:rated power above 1000m:15% power decreasing per 100m,max.400m
Rating Conditions	Mounting	Aluminium flange 255x255x6mm
	Temperature	60K housing temperature rising at 40°C ambient

Performance Curve



PSM80-7530A6E2NC1-33

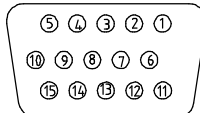
**Ultra
Robotics**



ENCODER CONNECTIONS

Pin	Color	Signal
1	red	+5V
2	blk	GND
3	-	-
4	brn/blk	U+
5	brn	U-
6	yel	Z+
7	grn	B+
8	blu/blk	A+
9	gry/blk	W+
10	whi/blk	V+
11	yel/blk	Z-
12	grn/blk	B-
13	blu	A-
14	gry	W-
15	whi	V-

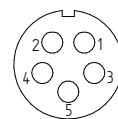
Encoder connector - D-SUB HD 15 PIN



POWER WIRE CONNECTIONS

Pin	Color	Signal
1	grn	U
2	whi	V
3	blk	W
4	yel/grn	PE
5	-	-

Power wire connector SP2111/P5



PSM80-7530A6E2NC1-33

