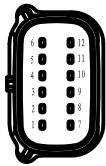
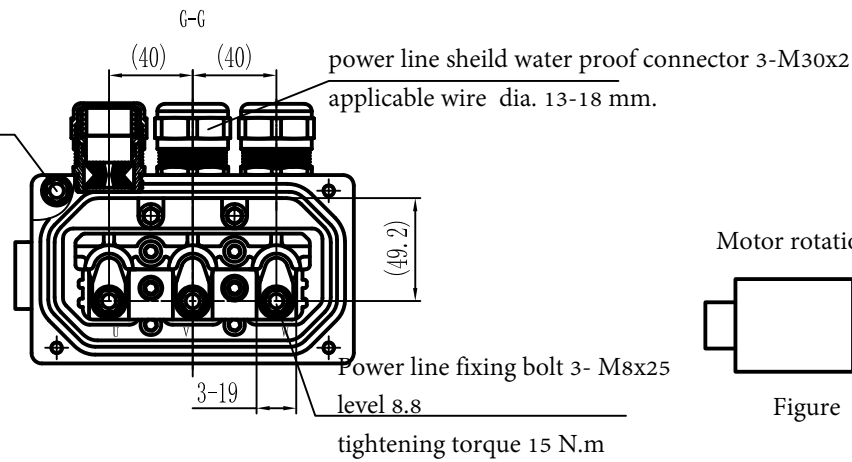


Signal socket



cable box cover mounting bolt Q180 4-M6x16 8.8 class tightening torque 9 N.m



Motor rotation direction

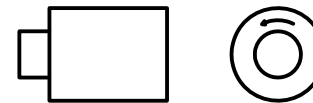


Figure 1

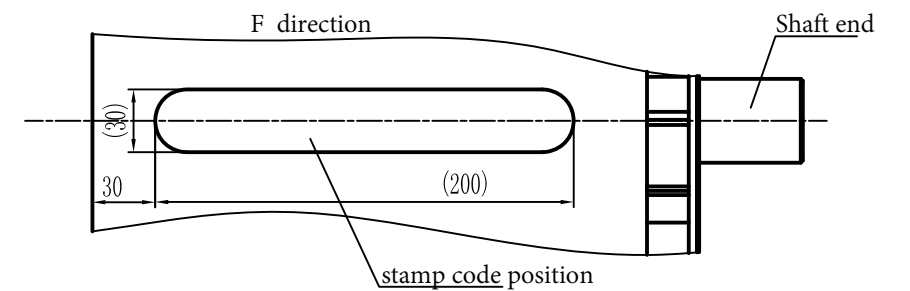


Table 3 : signal definition

signal socket : Molex :477256010

mating plug :Molex 33472-1206

or consult factory for other type			
pin number	colour	signal def.	remark
3		N.C.	
4		N.C.	
1	blk	Temp-L2	NTC
2	blk	Temp-H2	
5	blk	Temp-L1	NTC
6	blk	Temp-H1	
10	green	cos-	Resolver signal
7	yellow	cos+	
12	blue	sin-	
9	white	sin+	
8	black	R-	
11	red	R+	

Table 1: Motor parameters

parameter	spec.	parameter	spec.
batt. voltage	DC384V	rate Torque	160 N.m
rated power	50kW	Peak torque	420N.m
peak power	120kW	Insulation class	H
rated speed	3000r/min	protection	IP67
peak speed	7000r/min	cooling method	Liquid cool
peak current	450Arms	Weight	70Kg

Table 2: motor cooling system

coolant flow	12L/min	water channle volumn	0.95L
coolant type	auto antifreeze	max. pressure	<200Kpa

Technical details and Requirement

- unmarked size shall be executed according to GB/T1184-k with position difference
- main parameters of motor are shown in Table 1 and definition of low voltage signal shown in Table 3
- electrical insulation resistance of motor to Ground is ≥ 20 M ohm at 500V winding to Ground withstand voltage 2000V ,no strike for 1 min. leakage current less than 100mA
- Thermistor model : TR/09-G034 / NTC
- pressure resistance of cooling system is 0.2 Mpa , 5min , no leakage
- user installation bolts are tightened according to specified mentioned
- direction of motor rotation is shown in figure 1
- effective length of the spindle is not less than 37 mm.
- initial angle of the division is adjusted to 180 degree
- surface of motor is sprayed with XD103 aluminium paint and shaft extension and mating surface are rust-proof