

INOVANCE

ISMG Servo Motor

for energy saving servo pump applications



High overload capacity

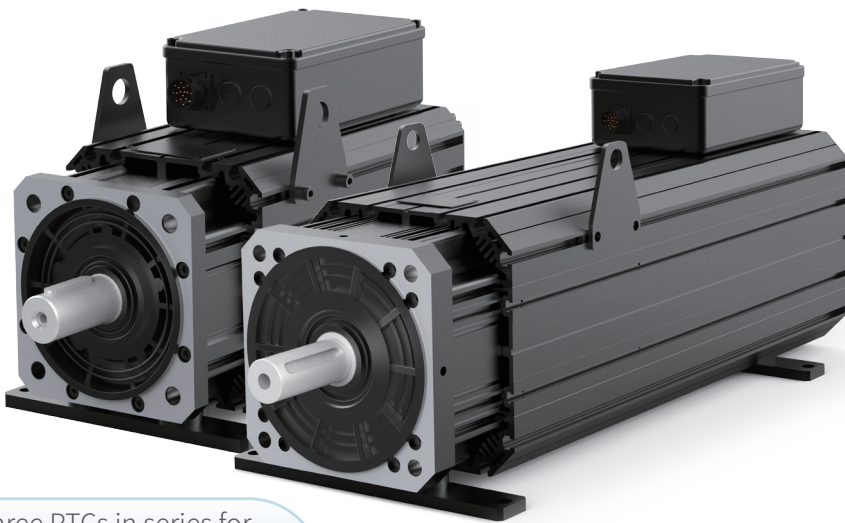
IPM (Interior Permanent Magnet) rotor structure, with excellent electromagnetic performance

Reduced iron and copper losses, higher efficiency and improved cooling

Robust resolver feedback

Higher efficiency keeps motor cool during operation, and reduces the risk of demagnetization

Forced ventilation



Three PTCs in series for consistent temperature protection. KTY for precise temperature monitoring.

Product ordering code

ISMG1-30D 15C D- R1 A 1 F A

Code	Frame
ISMG1	200 X 200 frame
ISMG2	266 X 266 frame

Code	Rated power
C	x 100
D	x 1000
E	x 10000
E.g.	95C: 9500 W

Code	Rated speed
C	x 100
E.g.	15C: 1500 rpm

Code	Voltage class
D	380V

Code	Encoder type
R1	Resolver

Code	Shaft connection
A	Keyed + tapped hole, IPM rotor structure

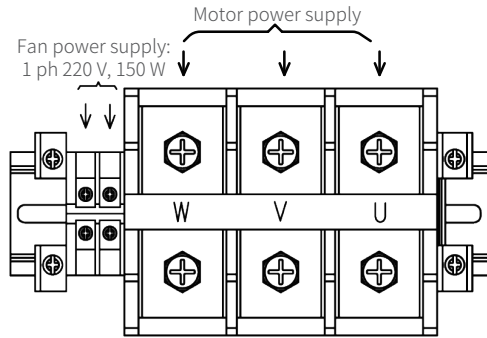
Code	Version
A	Version A

Code	Cooling
F	Forced cooling

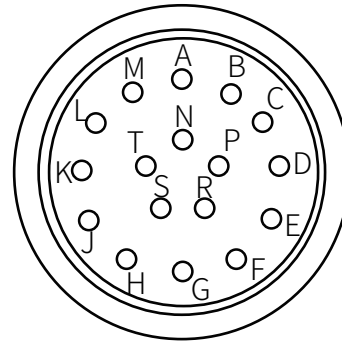
Code	Brake, gear, oil seal
1	Oil seal

Wiring diagram

Terminals of main circuit



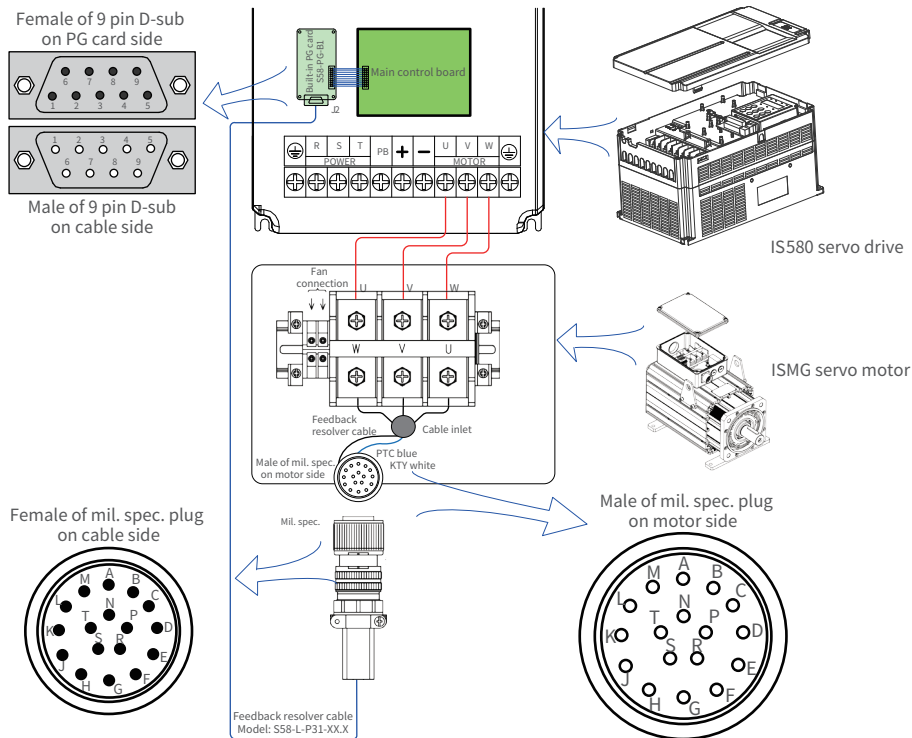
17P mil. spec. plug on motor side



Resolver cable -
Model: S58-L-P31-XX.X
Standard lengths (m):
3.0, 6.0, 8.0, 12.0 & 15.0

17P Aviation plug	A	B	C	D	E	F	G	H	L	K	J
DB9 connector	1	2	3	4	5	9	7	8	6	Housing	
Signal definition	REF-	REF+	Cos+	Cos-	Sin+	Sin-	PTC-M	KTY-N	PTC-N	KTY-M	Shielding
Wire colour	Yellow/white	Red/white	Red	Black	Yellow	Blue	Brown	Orange		Grey	Shielding
Remark	Twisted pair		Twisted pair		Twisted pair			KTY, PTC common			

ISMG servo motor connection diagram with IS580 servo drive



For more information, please contact our local offices.

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