

ITA

ISD è un servo sistema integrato ad anello chiuso composto da: motore sincrono a due fasi ad alta densità di coppia, servoazionamento full digital, encoder e bus di campo.

Il pilotaggio servo (closed loop real time) a differenza del pilotaggio chopper tradizionale, consente notevoli vantaggi in termini di riduzione del calore, silenziosità, prestazioni a costi contenuti. Alimentazione DC con ampio campo di funzionamento tra 45 e 135 Vdc.

Modalità di funzionamento:

- Posizione, velocità, controllo di coppia
- Albero elettrico e camma elettronica da riferimento master (encoder esterno)
- Modo interpolato
- Posizionatore integrato

Versioni disponibili:

- Profibus-DP
- CANOpen (DS402)
- ModBus RS485
- Step/dir
- $\pm 10V$ e uscita simulazione encoder

ENG

ISD, is a closed loop integrated system composed by: 2 phases high torque synchronous motor, full digital servodrive, encoder and field bus communication.

The servodrive (real time closed loop) technology, unlike the traditional chopping mode, allows to reach big advantages in terms of thermal dissipation, low noise, performances with low cost.

Power supply range from 45 to 135 Vdc.

Available many values of holding torque.

Functionality mode:

- Speed, position, torque control
- Gearing and electronic cams
- Interpolated mode
- Integrated positioning

Available version:

- Profibus-DP
- CANOpen (DS402)
- ModBus RS485
- Step/dir
- $\pm 10V$ with encoder simulated output

ESP

ISD es un sistema integrado en lazo cerrado compuesto por: motor paso-paso de par elevado, servoaccionamiento totalmente digital, encoder y bus de campo.

El control servo (lazo cerrado) a diferencia de control chopper tradicional, permite notables ventajas en términos de reducción de calor, ruido, prestaciones a un coste reducido.

Alimentación comprendida entre 45 y 135 Vdc.

Disponibilidad de diversos pares a velocidad cero

Modalidad de funcionamiento:

- Posición, velocidad, control de Par
- Eje eléctrico y leva electrónica desde referencia master (encoder externo)
- Modo interpolación
- Posicionador integrado

Versión disponible:

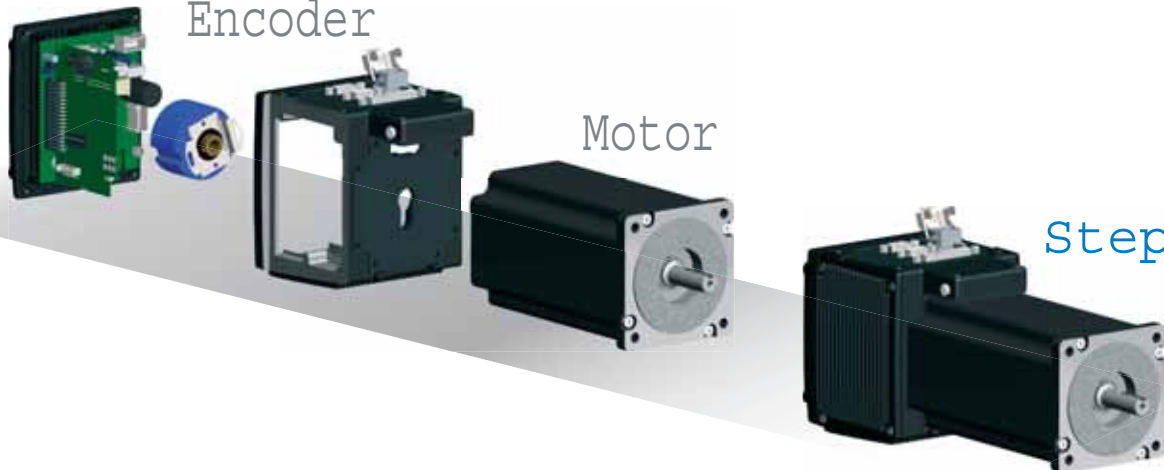
- Profibus-DP
- CANOpen (DS402)
- ModBus RS485
- Impulso/dir.
- $\pm 10V$ con salida de simulación de encoder.

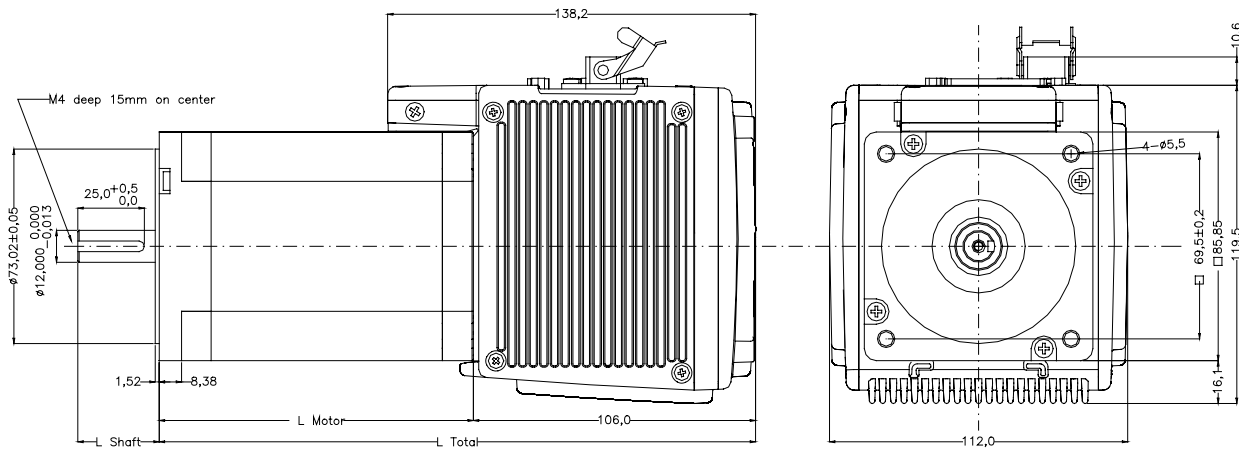
Drive

Encoder

Motor

Stepless



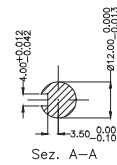


OVERALL DIMENSIONS

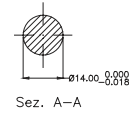
Type	Holding torque (Nm)	Length		Shaft		Shaft section
		L motor	L Total	L Shaft	Diameter	
ISD 1291	3,4	65	171	30,6	12	Type 0 Keyed shaft
ISD 1241	4,2	79	185	37	14	Type 1
ISD 1281	4,6	80	186	30,6	12	Type 0 Keyed shaft
ISD 1251	7,9	118	224	37	14	Type 1
ISD 1271	8,7	118	224	30,6	12	Type 0 Keyed shaft
ISD 1261	12,0	156	262	30,6	12	Type 0 Keyed shaft

SHAFT SECTION TYPE

type 0



type 1



TECHNICAL FEATURES

Type	Holding torque (Nm)	Phase Current (A)	Rotor Inertia (gcm ²)	Phase Inductance (mh)	Maximum Voltage (V)	Weight (Kg)
ISD 1291	3,4	5,9	1000	1,7	135	2,7
ISD 1241	4,2	5,8	1600	2,8	135	3,1
ISD 1281	4,6	5,5	1400	4,0	135	3,3
ISD 1251	7,9	5,8	3200	5,0	135	4,5
ISD 1271	8,7	8,0	2700	2,9	135	3,8
ISD 1261	12,0	9,9	4000	2,9	135	6,3

Ordering code with optional:

Ordering code with optional:						ISD12xx/a.bcd	
ISD	12	XX (see table above)	Com. (a)	Conn. (b)	Shaft type (c)	Option (d)	
Options	Description		a	b	c	d	
a,b	CAN Communication, connection with Dsub		CAN	1			
	RS485 Communication, connection with Dsub		SER	1		Not yet available	
	PROFIBUS Communication, connection with Dsub		PRO	1		Not yet available	
	Analog Pulse Direction, connection with Dsub		APD	1			
c	Shaft dimensions 12 mm keyed shaft				0		
	Shaft dimensions 14 mm round shaft				1		
d	Future Options					0	
E.g	ISD1291/CAN.100	ISD 1291/ ISD 120V, Stepper Motor 3,4Nm	CAN. CAN interface	1 DSUB	0 12 mm keyed shaft	0 Future option	

