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Find the *Lenze MCS-06F41LC40P1-B11N-ST5S00N-R2SU* at our website: *Click HERE*

Offers top performance in the tightest of spaces.



Servo synchronous motor for precisely controlled motion.
Torque range:
0.5 to 72 Nm (0.25 to 15.8 kW)

Ideally suited to: applications that require high dynamic performance, precision and compact dimensions.

Features

- Compact dimensions for installation in the tightest of spaces
- Low moments of inertia for high dynamic performance
- Plug-in connections for fast, easy installation and easy servicing
- Resolver as feedback. Alternatively: incremental encoder or absolute value encoder

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MCS synchronous servo motor technology – An overview

Technical data

Self-ventilated

Size		06		09		12		14		19	
Rated torque	M [Nm]	0.5 0.9 1.2	0.6 1.2 1.5	1.8 2.4 3.0 3.6	2.3 3.1 3.8 4.5	4.3 7.5 11	24.6 17.0	5.5 10 13.5	7.5 14 17.2 21	9.2 16 23 30	21 29 32
Rated current	I [A]	2.4 2.5 2.9	1.3 1.5 1.6	3.8 4.5 6.0 6.9	2.3 2.5 3.4 4.2	4.5 5.7 10.2	2.6 3.8 5.9	7.5 11.9 15 15.6	4.5 6.6 9.7 10.8	14 18.5 19	8.6 12.3 14.3
Rated speed	n [rpm]	6000 6000 6000	4050 4050 4050	6000 6000 6000 5100	4050 3750 4050 4050	4050 3525 4050	1950 1500 1950	3600 3225 3225 3225	1500 1500 1500 1350	3000 3000 3000	1425 1425 1350

Forced-ventilated

Size		12		14		19	
Rated torque	M [Nm]	6 10.5 14	7 12 17	10.5 20.5 25.5 33	12 23.5 30.5 42	32.5 50.5 53	38 62.5 72
Rated current	I [A]	5,6 7.5 11,7	3 4.3 7.2	9.7 15 20.8 21.9	5.4 8.3 11.8 13.4	20.1 31 29.5	11.3 18.3 21.3
Rated speed	n [rpm]	3525 3375 3900	1650 1350 1650	3000 2775 3000 2625	1350 1200 1350 1050	2850 2850 2850	1200 1200 1200

The modular system for your application
Thanks to their scalable modular design, the synchronous servo motors are ideal for use with any application:

- Brake attachments
  with and without permanent magnet brake
- Feedback systems
  - Resolver
  - Incremental encoder
  - Absolute value encoder
- Self-ventilated or forced-ventilated
- Connection options
  - Plug connectors
  - Terminal box
- Temperature monitoring via KTY thermal sensor
- Comprehensive range of system cables
  - Motor connection
  - Feedback connection
  - Separate fan connection

Other properties

Degree of protection	
EN 60529	IP54/65
Approvals	
	cURus, GOST-R and UkrSepro
Temperature class	
IEC / EN 60034-1 utilisation	F
IEC / EN 60034-1 insulation system	H
Climatic conditions	
Storage temperature	-30°C to +60°C
Operating temperature	-20°C to +40°C

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