

Medium dynamics in a compact design.



MCM and m850 – the compact synchronous servo motors for positioning, robotics, packaging technology and handling system applications. In conjunction with the servo inverters i700, 9400 and 8400 TopLine, it provides high-performance drive solutions in the torque range of 0.6 to 200 Nm.

Features

- Compact size
- Easy to control due to favourable ratio between inertia of load and motor
- Optimum smooth running characteristics for precise work outcomes
- Suitable for use in the food industry thanks to a smooth housing surface
- Simplicity due to robust resolver as standard and multi-turn sin/cos encoder for high precision
- Easy installation and servicing thanks to SpeedTec connector with rotatable connector boxes

MCM and m850 synchronous servo motor technology – An overview

Technical data

Self-ventilated

Synchronous servo motor MCM

Size		06	09	12
Rated torque	M [Nm]	0,6	1,3	2,4
		1,2	2,4	4,8 8,0
Rated current	I [A]	0,9	1,1	1,8
		1,1	1,9	3,5
				5,8
Rated speed	n [rpm]	3000	3000	3000
		3000	3000	3000 3000

Synchronous servo motor m850

Size		12	14	19
Rated torque	M [Nm]	4,80	8,50	16,00
		7,40	14,00	24,00
		9,00	17,40	35,00
Rated current	I [A]	4,30	6,50	10,30
		6,40	10,50	15,00
		7,90	12,50	17,90
Rated speed	n [rpm]	3960	3240	3000
		3960	3240	3000
		3960	3240	2520

The modular system for your application

The MCM and m850 synchronous servo motors with a scalable modular system extend Lenze servo motors for applications in the medium dynamic range.

Optimised with the following attachments:

- Brake attachments with spring-applied brakes
- m850 also with backlash-free permanent magnet brakes (optional)
- Feedback systems
 - Resolver
 - Absolute value encoder
- Self-cooled
- Plug-in connector
- Comprehensive range of system cables
 - Motor connection
 - Feedback connection

Other properties

Degree of protection	
EN 60529	IP54 (IP65 housing)
Approvals	
	EAC, CSA, cURus and UkrSepro
Temperature class	
IEC / EN 60034-1 utilisation	F
IEC / EN 60034-1 insulation system	F
Climatic conditions	
Storage temperature	-20 ... 60 °C
Operating temperature	-15 ... 40 °C