SMG50

Compact servo gear drive for precise movements and maximum integration flexibility

Applications

The SMG50 combines a powerful servo motor with a permanently integrated planetary gearbox, thus offering a compact solution for applications with increased torque requirements. The series is ideal for swivel drives, lifting systems, positioning tasks and rejection mechanisms within modern intralogistics systems.

For optimal adaptation to different machine architectures, variants with an integrated Motor Controller as well as versions for operation on external servo controllers are available.

Different encoder systems can be integrated into the third-party controller variant, enabling flexible integration into existing automation and control concepts.



Features & Benefits

- **Integrated planetary gearbox** for high torques
- **Compact and easy-to-install drive unit**
- **Optionally with integrated Motor Controller** or third party controllers
- **Flexible integration** of different encoder systems
- **Easy integration** into existing machine and control concepts
- **High dynamics and precise movement control**
- **Reduced design effort** through integrated gear solution
- **Ideal for lifting, swiveling and positioning applications**

Technical data Version with integrated Motor Controller

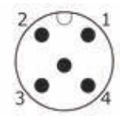
Type		SMG50I-AA16E	SMG50I-AA25F	SMG50I-AA35E	SMG50I-BA16E	SMG50I-BA25F	SMG50I-BA35E
Rated voltage	VDC	24	24	24	48	48	48
Rated power	W	100	100	100	120	120	120
output speed	rpm	375	240	171	375	240	171
Rated torque	Nm	2.40	3.75	5.25	2.83	4.42	6.19
Maximum torque	Nm	9.20	14.0	14.0	9.20	14.0	14.0
Rated current	Arms	5.9	5.9	5.9	3.4	3.4	3.4
Maximum current	Arms	28.6	28.6	17.3	12.2	12.2	7.4

	Configuration
Interfaces	I/O or CAN
Maximum noise level	< 62 dB(A)
output shaft	Ø 10h6 x 24mm
Ambient temperature	0 °C ... 40 °C
Protection class	IP54

Connections supply

Pin	Description	Presentation
1	24 V / 48 V	 M16 / 3-pin (3x2)/male
2	GND	
3	n.c.	

I/O and CAN connections

Pin	Description CAN version	Description version I/O	Presentation
1	Shield	24 VDC	 M12 A-coded / 5-pin/male
2	DI	DI	
3	CAN-GND	GND	
4	CAN high	DO	
5	CAN low	AI	

Dimensions

L1	189.3
L2	91.3

