SMG75

Powerful servo gear drive for high torques and maximum system freedom

Applications

The SMG75 is the most powerful version of the Servo Drive family and was developed for demanding motion tasks with high loads and torques. Depending on the application, the drive is available with an integrated planetary gearbox or angular gear, enabling optimal adaptation to different installation situations.

In addition to variants with an integrated Motor Controller, versions for operation on external servo controllers are also available. Thanks to the flexible integration of different encoder systems, the drive can be easily integrated into existing automation, motion control and control architectures.

Typical applications are powerful lifting drives, swivel systems, positioning axes, rejection modules and customer-specific automation solutions.



Features & Benefits

- **High torques** through integrated planetary gearbox
- **Optimized for demanding movement and positioning tasks**
- **Optionally with integrated Motor Controller** or third party controllers
- **Flexible encoder integration** for individual system architectures
- **Easy integration** into existing automation platforms
- **High dynamics and precise controllability**
- **Customizable** to different installation situations
- **Ideal for powerful lifting, swiveling and positioning systems**

Technical data Version with integrated Motor Controller

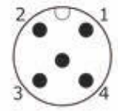
Type		SMG75I-BA16E	SMG75I-BA20E
Rated voltage	VDC	48	48
Rated power	W	310	310
Output speed	rpm	250	200
Rated torque	Nm	11.9	14.9
Maximum torque	Nm	41.0	51.0
Rated current	Arms	8	8
Maximum current	Arms	30.8	30.8

	Configuration
Interfaces	I/O or CAN
Maximum noise level	< 62dB(A)
output shaft	Ø 14k6 x 30 mm
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	CAN version	I/O version	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	200.5
L2	79.5

