SMD75 with right-angle gearbox

Highly integrated 90° drive for maximum freedom in vehicle integration in AGV and robotics systems.

Applications

The right-angle gearbox drive is based on the SMD75 platform and expands it with an integrated 90° change in drive direction.

This means that the drive can be flexibly integrated into vehicle concepts where an axial design is not possible. The performance and system characteristics remain identical to the SMD75 series, while the installation options are significantly expanded.



Features & Benefits

- **90° change in drive direction** for maximum flexibility in vehicle layout
- **Allows installation** in **difficult-to-access** or **confined installation spaces**
- **Same performance basis as SMD75 platform**
- **Reduces design restrictions** in AGV design
- **Optimized for modular** and **complex vehicle architectures**
- **Optionally with integrated** or **external electronics**
- **Integrated holding brake** for safe positioning
- **Flexible encoder integration** when operating with third-party Motor Controllers

Technical data

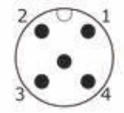
		SMD75 with right-angle gearbox
Rated voltage	VDC	48
Rated power	W	398
Speed	m/s	0 - 1.76
Rated torque	Nm	15.3
Maximum torque	Nm	78.7
Rated current	Arms	11.5
Maximum current	Arms	67.5

		SMD75 with right-angle gearbox
Max. wheel load	kg	315
Wheel diameter	mm	135
Ambient temperature	°C	0 … 40
Relative humidity		< 80%, non-condensing
Temperature sensor		Triple PTC
Feedback		
Supply voltage	VDC	5
Motor commutation signals		A, A/, B, B/, I, I/, PWM, PWM/
Resolution	Bit	10
brake		
Braking torque	Nm	1
Voltage	VDC	24

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

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with brake	148

