

**BERGER LAHR**

**CPD 17 Servo Drive – Connect  
and ready to go!**



a company of  
**Schneider**  
Electric

CPD 17 extends the Berger Lahr automation range by a compact, high-performance drive system

# The Solution. Simplifying Auto

## Berger Lahr Product Range

<b>PLC/IPC</b>			
<b>Motion control</b>	 <p>Motion controllers</p> <p>IEC 61131-3</p>		
<b>Power amplifiers</b>	<p>Stepper motor amplifiers</p> 	<p>Servo amplifiers</p> 	<p>Intelligent compact drives</p> 
<b>Motors</b>	<p>Stepper motors</p> 	<p>AC synchronous servo motors</p> 	
<b>Robotics</b>	<p>Linear modules with belt drives</p> 	<p>Linear modules with spindle drives</p> 	<p>Cartesian robots</p> 



# mation



Berger Lahr provides complete, reliable, high-performance solutions for your automation requirements. You benefit from our comprehensive experience in numerous industries. The product range comprises solutions for all tasks from simple processes all the way up to complex automation concepts. CPD 17 is a compact servo drive for simple machine applications. It combines all the essential benefits of an advanced solution: compact dimensions, flexible application and easy networking with master controllers such as Berger Lahr motion controllers or your PLC. In combination with the SER series of Berger Lahr servo motors, the system is a powerful drive solution covering the range from 0.4 to 3.2 kW.



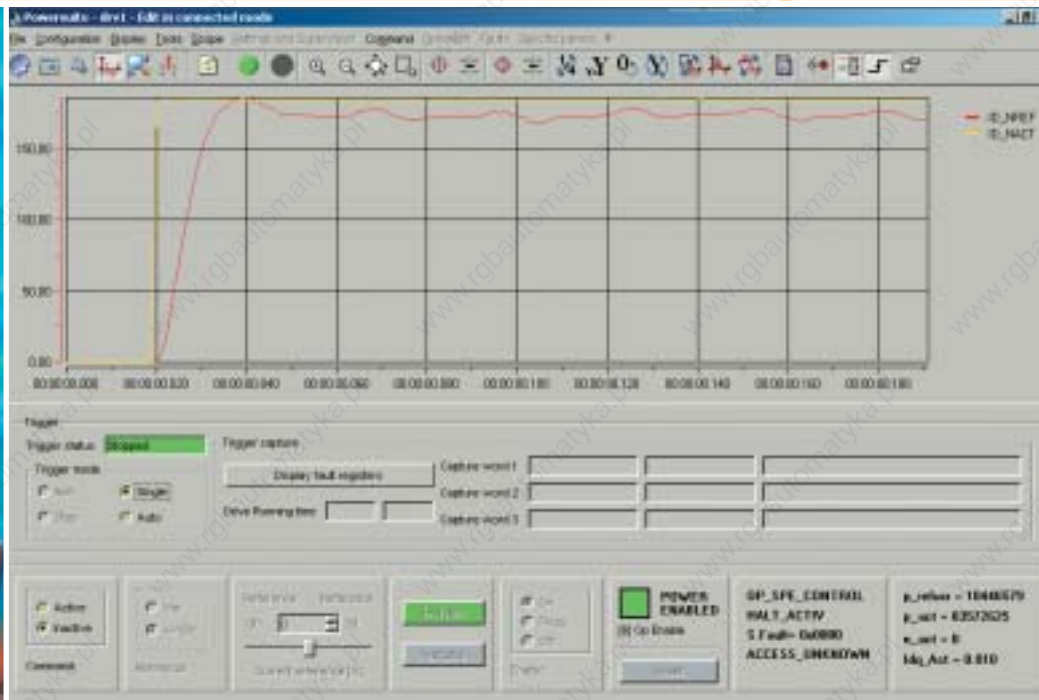
CPD 17 makes commissioning really simple: select, connect – ready.

# Fully Equipped. High Performance

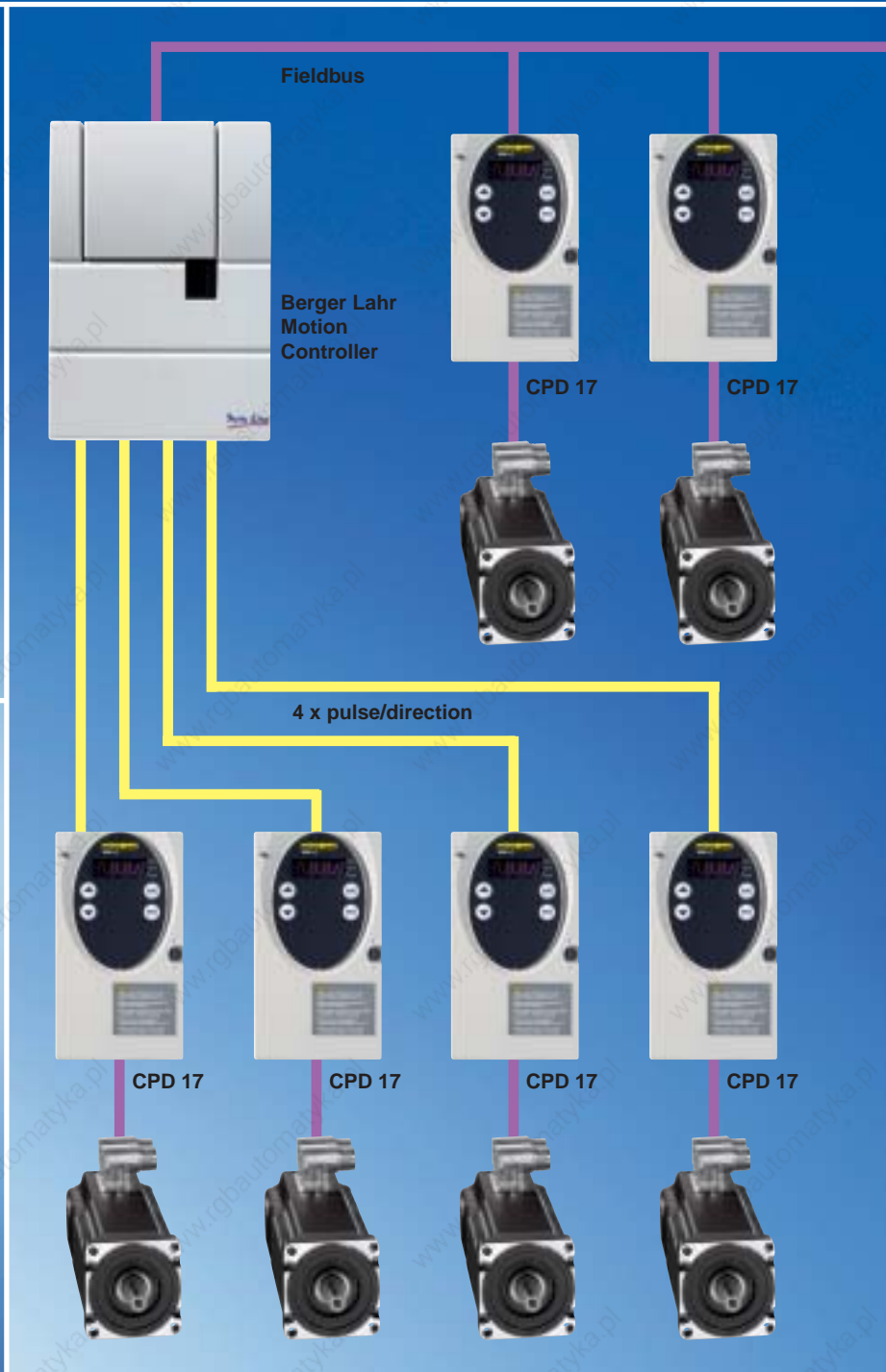
CPD 17 makes installation and commissioning **simple**. The servo drive features automatic motor detection and controller adjustment functions. The Power Suite 2 software enables manual configuration and controller optimisation. Predefined motor and device combinations simplify the selection of motors and gearboxes.

**Compact** dimensions ensure that the system requires minimum space. System costs and response times are reduced since mains filter, ballast resistor and the safety function “Safe Stop” (stop according to categories 0 and 1 as per EN60204-1) are integrated.

CPD 17 is **flexible** and **open** and can be used in various system environments. It features two fieldbus interfaces (CANopen und Modbus), a signal interface with two analogue +/-10 V inputs and 8 digital inputs/outputs, an interface for pulse/direction or A/B signal inputs or encoder simulation.



# ...nce with a Small Footprint



Berger Lahr's comprehensive consulting and worldwide service and support ensure that you reach your objectives fast.

# The Package. Ready For Appl

## Selection table AC servo motors and CPD 17 servo drive

### SER motors



### CPD 17 servo drive



Size 1



Size 2

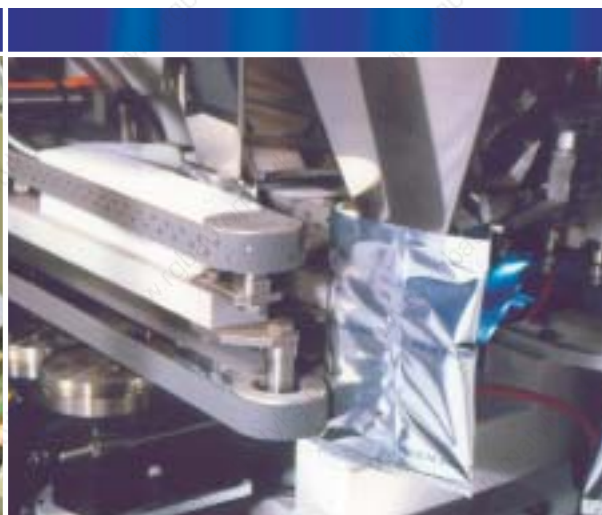


Size 3

	155 V, 1 phase, with integrated EMC mains filter			230 V, 1 phase, with integrated EMC mains filter		
	CPD 170 1F10S1	CPD 170 1F17S2	CPD 170 1F28S3	CPD 170 2F10S1	CPD 170 2F17S2	CPD 170 2F28S3
	Size 1, 0.4 kW	Size 2, 0.65 kW	Size 3, 1.4 kW	Size 1, 0.75 kW	Size 2, 1.2 kW	Size 3, 2.5 kW
SER 364 / 3L 3S	0.29 / 0.85 Nm					
SER 366 / 3L 3S	0.48 / 1.3 Nm			0.48 / 1.3 Nm		
SER 368 / 3L 3S	0.7 / 1.62 Nm	0.7 / 2.5 Nm			0.7 / 2.5 Nm	
SER 368 / 3L 5S				0.7 / 2.22 Nm		
SER 3610 / 3L 3S		0.9 / 2.85 Nm			0.9 / 2.85 Nm	
SER 397 / 4L 3S	1.1 / 2.7 Nm	1.1 / 3.4 Nm		1.1 / 2.73 Nm		
SER 3910 / 4L 3S				2.2 / 4.84 Nm	2.2 / 6.68 Nm	
SER 3913 / 4L 3S					2.9 / 8.35 Nm	
SER 31112 / 4L 3S			4.2 / 11.0 Nm		4.2 / 8.1 Nm	4.2 / 11.0 Nm
SER 31117 / 4L 3S			6.6 / 17.9 Nm			6.6 / 17.9 Nm
SER 31122 / 4L 5S						10.0 / 30.0 Nm
	230 V, 3 phase, without integrated EMC mains filter			400 / 480 V, 3 phase, with integrated EMC mains filter		
	CPD 170 3N10S1	CPD 170 3N17S2	CPD 170 3N42S3	CPD 170 4F14S2	CPD 170 4F34S3	
	Size 1, 0.75 kW	Size 2, 1.4 kW	Size 3, 3.2 kW	Size 2, 1.4 kW	Size 3, 3.0 kW	
SER 366 / 3L 3S	0.48 / 1.3 Nm					
SER 368 / 3L 3S		0.7 / 2.5 Nm				
SER 368 / 3L 5S	0.7 / 2.22 Nm					
SER 3610 / 3L 3S		0.9 / 2.84 Nm				
SER 397 / 4L 3S	1.1 / 2.73 Nm					
SER 3910 / 4L 3S	2.2 / 4.84 Nm			2.2 / 6.2 Nm		
SER 3913 / 4L 3S		2.9 / 8.35 Nm		2.9 / 7.3 Nm		
SER 3913 / 4L 5S	2.9 / 7.5 Nm			2.9 / 9.5 Nm		
SER 31112 / 4L 3S		4.2 / 8.1 Nm	4.2 / 11.7 Nm			
SER 31112 / 4L 5S				4.2 / 10.16 Nm		
SER 31117 / 4L 3S		6.6 / 11.8 Nm	6.6 / 20.8 Nm		6.6 / 20.0 Nm	
SER 31117 / 4L 5S				6.6 / 12.8 Nm		
SER 31122 / 4L 5S			10.0 / 30.0 Nm		10.0 / 28.0 Nm	
SER 31127 / 4L 5D			13.4 / 36.0 Nm		13.4 / 31.5 Nm	

The first value is the continuous torque when the system is idle, the second value is the peak torque when the system is idle.  
Selection example: the combination of motor SER 397/4L3S and servo drive CPD 170 1F10S1 meets the following requirements: max. 1.1 Nm continuous torque at standstill and max. 2.7 Nm peak torque at standstill. Please note the torque and speed characteristics of the motor in the catalogue when making your selection.

# Application Anywhere in the World



Berger Lahr offers **complete solutions**: CPD 17 comes with a suitable range of AC servo motors (SER series) and the required accessories.

Whether you want torque or speed control, require an electronic gear or want to implement a positioning or velocity controlled system: CPD 17 is **immediately ready for operation**. Available in four different voltage versions 115 V 1 phase, 230 V 1 phase, 230 V 3 phase and 400/480 V 3 phase, this compact servo drive can be used anywhere in the world for applications such as packing, cutting, labelling, palletising, mounting, filling, gluing, screwing, closing, sealing ...

# BERGER LAHR



Berger Lahr offers you the positioning and automation solutions you need, based on our tried and proven series of products. Our comprehensive engineering and consulting service is ready to support and advise you every step of the way. Berger Lahr is a member company of the Schneider Electric Group. With its Merlin Gerlin, Square D and Telemecanique brands, Schneider Electric is one of the leading providers of electrical and automation engineering solutions.

we control **motion**

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