

Very compact sensorless drive 24 & 95 Vdc power supply range for Brushless servomotors. Driving motor ranges up to 3Nm. No feedback necessary.

## BLDC Sensorless

SENSORLESS DRIVE FOR BLDC MOTORS

The **BLDC Sensorless** is a precision four quadrant regenerative servo drive for permanent Brushless servomotors.

The **BLDC Sensorless** series drives push high performance servo technology into lower power applications without compromising on reliability or package size.

### ► Bldc Sensorless advantage

- Sensorless for 900W (3Nm) motors
- Small package, versatility, ease-of-use, cost-effective
- Only three wires to the motor (U - V - W)
- No hall signals necessary

### ► Standard characteristic

- Full digital DSP controller
- Four quadrant regenerative operation
- Single supply DC voltage
- 2 diagnostic Leds (State and Alarms)
- Protections for: Over/Under voltage, max. temperature reaches, Over current, Ixt motor current
- 1 velocity input +/-10V
- 3 Digital inputs
- Feedback available: Sensorless feedback
- Two Potentiometer adjustements
- Acceleration/deceleration ramp



### ► Specifications

• Output voltage	0,9 Vdc Input
• Power supply range	24 to 96Vdc max
• PWM frequency	20Khz
• Operative temperature	0 +40°C
• Analog inputs range	0 +10Vdc
• Polution degree	2° or better
• Mechanical dimensions	160 x 150mm

MODEL		BLDC SENSORLESS 100			
DC Voltage Supply (VDC)	DC Voltage Range (VDC)	60			
Size (A)		2	4	7	10
Rated Current (A)		2	4	7	10
Peak Current (1) (A)		4	8	14	20
Rated Power (2) (W)		116	232	406	580
Peak Power (3) (W)		232	464	812	1060

Order code example:

**BLSN - 100 - 10 - B - XXX - ord. 166/13**

Product name \_\_\_\_\_  
 Model \_\_\_\_\_  
 Size (A) \_\_\_\_\_

Customer order \_\_\_\_\_  
 Firmware version \_\_\_\_\_  
 Motor type:  
 B = Brushless

Label example:

**BLSN-100-10-B-XXX  
 ord. 166/13**