

smartServo – speedy, slim, smart

Decentralized servo drive BL 4104-M/D

- › **Saving of control cabinet space**
 - › Usually no control cabinet required for the servo drive
 - › No cabling between motor and servo drive if the servo drive is installed on the motor
- › **USB and Ethernet** as parameterization interface
- › **Fieldbus on board** EtherCAT, PROFINET, optional CANopen
- › **Universal encoder evaluation** HIPERFACE®, HIPERFACE DSL®, EnDat 2.2, resolver, analogue and digital incremental encoders, BISS
- › **Bluetooth integrated** Query of the servo drive status via smartphone or tablet

Technical data		
Features	BL 4104-M (on the motor)	BL 4104-D (separated from the motor)
Voltage supply	240 VAC [$\pm 10\%$], 50...60 Hz	
Control voltage	24 VDC [$\pm 20\%$]	
DC link voltage	325 VDC	
Output power	700 W	800 W
Max. output power for 2 s	2400 W	
Rated output current	3 A _{rms}	4 A _{rms}
Max. output current for 2 s	12 A _{rms}	
Internal brake resistor	47 Ω	
Continuous power / pulse power	13 W / 4 kW	
External brake resistor	-	
Holding brake	24 VDC, max. 700 mA	
Dimensions (without flange) servo drive H x W x D	66 x 80 x 125 mm	107 x 100 x 127 mm
Weight	0,7 kg	1 kg
Encoder evaluation	EnDat 2.2, HIPERFACE®, HIPERFACE DSL®, Resolver, analogue and digital incremental Encoders with / without commutation signals, BISS (Type C)	
Interfaces	USB 2.0, Ethernet, EtherCAT, PROFINET, optional CANopen	
Inputs/outputs	8 x digital in (24 VDC), 1 x analogue in (± 10 V), 1 x analogue out (± 10 V), 2 x digital out (24 VDC)	

All information without guarantee



smartServo – speedy, slim, smart

Decentralized servo drive BL 4840-M/D

- › **Saving of control cabinet space**
 - › Usually no control cabinet required for the servo drive
 - › No cabling between motor and servo drive if the servo drive is installed on the motor
 - › Supply with low voltage of 48 V via PELV power supplies or batteries
 - › No high voltages at the motor and servo drive
- › **USB and Ethernet** as parameterization interface
- › **Fieldbus on board** EtherCAT, PROFINET, optional CANopen
- › **Universal encoder evaluation** HIPERFACE®, HIPERFACE DSL®, EnDat 2.2, resolver, analogue and digital incremental encoders, BISS
- › **Bluetooth integrated** Query of the servo drive status via smartphone or tablet

› Technical data

Features	BL 4840-M (on the motor)	BL 4840-D (separated from the motor)
Voltage supply	24 to 48 V	
Control voltage	24 VDC [± 20 %]	
DC link voltage	24 to 48 V	
Output power	1000 W	1100 W
Max. output power for 2 s	3600 W	
Rated output current	40 A _{rms}	42 A _{rms}
Max. output current for 2 s	120 A _{rms}	
Internal brake resistor	3,9 Ω	
Continuous power / pulse power	5 W / 1,6 kW	
External brake resistor	-	
Holding brake	24 VDC, max. 700 mA	
Dimensions (without flange) servo drive H x W x D	66 x 80 x 125 mm	107 x 100 x 127 mm
Weight	700 g	1.1 kg
Encoder evaluation	EnDat 2.2, HIPERFACE®, HIPERFACE DSL®, Resolver, analogue and digital incremental Encoders with / without commutation signals, BISS (Type C)	
Interfaces	USB 2.0, Ethernet, EtherCAT, PROFINET, optional CANopen	
Inputs/outputs	8 x digital in (24 VDC), 1 x analogue in (±10 V), 1 x analogue out (±10 V), 2 x digital out (24 VDC)	

All information without guarantee

