



*Let's talk!*

# -L-a-v-a-L-I-N-E © SERIES

## Bypass 200

- Electronic bypass
- Rated current 200 A
- Overtemperature- and fan failure detection
- State report to controller
- Active electronic control circuitry
- Mains or inverter supply
- 19"- plug-in case
- Redundant to controller



Picture may differ from actual device

## Specifications

### General

Electrical safety	EN 60950, VDE 0805
EMC (emission)	EN 50081-1 Curve EN 55022B
EMC (immunity)	EN 50082-2
Galvanic isolation	3.75 kV <sub>DC</sub>
Operating temperature	-5 to +45°C non condensing
Failure report	via controller

Current capacity 200A

### Electrical connections

Connectors	Front
Line input	5 high current terminal blocks 95 mm <sup>2</sup>
Inverter input	12 Phoenix Power-Combicon 3-pole
Controller IN/OUT	Binder round connectors 7-pole male, 4-pole female insert

### Fusing

Short-circuit	(to be provided externally) external mains fuse, load limit integral $\leq 125000 \text{ A}^2\text{s}$ by 230V <sub>AC</sub>
Overload	external output fuse, load limit integral $\leq 125000 \text{ A}^2\text{s}$ by 230V <sub>AC</sub> , 200A circuit breaker

Warranty 24 months

### Housing

Size	19"- plug-in case
Weight	4 HE/ 84 TE, 360 mm depth
Classification	app. 15 kg
Ventilation	IP 20
	internal fan

### Function

The bypass module is built out as a semiconductor switch with active electronic control circuitry and two thyristor modules.

With the bypass the system can be operated either in OnLine mode (load is supplied by inverters) or in OffLine mode (load is supplied by mains). The configuration is set by the controller.

In case of a controller failure the bypass adopts the monitoring of the mains and assures the power supply of the connected load.

To protect the entire system, the fans are monitored and in case of an overtemperature the system will automatically be shut down.

In order to be able to change a mains fuse easily in case of a failure, the bypass module has no built-in fuse. This way the fuse can be located on a fuse strip.

Order Code e.g. LAVBYP-200

	Type	I / A	U <sub>in</sub> / VDC	U <sub>out</sub> / VAC	Options
LAV	BYP	200	-	-	-

Separate values by hyphen ( - ), append options where applicable