**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
- Operating temperature: -5 to +45°C non condensing
- Failure report: via controller

**Current capacity**: 120A

**Electrical connections**
- Connectors: Front
- Line input: 5 high current terminal blocks 50 mm²
- Inverter input: Phoenix Power-Combicon 3-pole
- Controller IN/OUT: Binder round connectors 7-pole male, 4-pole female insert
- Databus: 2x RJ45 S-UTP

**Fusing**
- Short-circuit: (to be provided externally)
- Overload: external output fuse, load limit integral <=15000 A²s by 230VAC

**Housing**
- 19”- plug-in case
- Size: 3 HE / 84 TE, 201mm depth
- Weight: app. 7.5 kg
- Classification: IP 20
- Ventilation: 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 off 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-120

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<th>LAV</th>
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<th>U IN (VDC)</th>
<th>U OUT (VAC)</th>
<th>Options</th>
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Separate values by hyphen (-), append options where applicable.