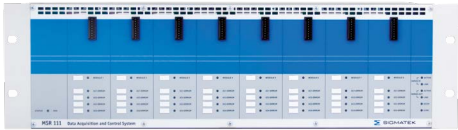


# Module Carrier

## MSR 111



The measuring system is used to record analog and digital measurement values. The connection to the C-IPC is made over the VARAN bus directly to the module carrier. The module carrier connects the eight modules with an LVDS bus (one LVDS connection per module). Up to eight modules can be operated per module carrier. To connect the VARAN and power plugs on the same plane as the Lemo-plug, an interface module is available. On the front side of the module carrier is a diagnostic connector for each module socket, which tests the function of the module. To dissipate the waste heat generated, the MSR 131 fan module can be integrated. This fan module is mounted on a circuit board and can therefore be exchanged.

### Environmental Conditions

Storage temperature	-30 ... +85 °C	
Operating temperature	0 ... +60 °C	
Humidity	0-95 %, non-condensing	
EMC stability	in accordance with EN 61000-6-2:2001 (industrial area)	
Shock resistance	EN 60068-2-27	150 m/s <sup>2</sup>
Protection type	EN 60529	IP20

### Performance Data

Interfaces	8x LVDS bus (with distributor function) 1x interface module (for VARAN In, VARAN Out and supply) 1x fan module
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### Electrical Requirements

Supply voltage	18-30 V DC
Current consumption of voltage supply	the current consumption is dependent on the connected loads maximum 9 A

### Article Number and Miscellaneous

Article number	18-001-111
Hardware version	1.x