US BOARD ▸ USS 5 *IP*

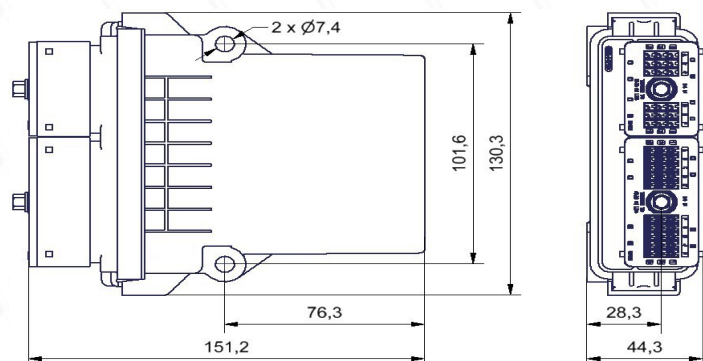## DATA SHEET

The USBoard-USS5-IP allows customers to add up to 16 ultrasonic sensors Bosch USS5 to their system. This provides autonomous robots or self driving vehicles with valuable additional information about their environment. The USS5 sensors can be placed wherever they are needed to fill gaps that cannot be covered by other sensors.

The Measurements of all sensors are available via CAN or RS-232 connection. Two solid state relay outputs indicate that an object was detected within the warning or alarm range.

Configuration of the USBoard-USS5-IP is done by a powerful graphical user interface. For each sensor a warning and an alarm distance can be set individually. The data output can be adjusted with a large set of parameters to achieve best performance.

New features include a cross-echo mode and reduced cycle times. The USBoard-USS5-IP indicates missing or defective sensors and also sensors that are blocked by near obstacles.

▶ SUPPORTED SENSORS
16 x Bosch ParkPilot USS5

▶ SUPPLY VOLTAGE
9 VDC – 60 VDC
max. 4 W

▶ COMMUNICATION
CAN
Option: RS-232

▶ CONFIGURATION
By graphical user interface (included)

▶ OUTPUTS
2 x solid state relays
(Warning and alarm distance)

▶ MEASUREMENT
0.2 m up to 3.3 m
Configurable warning and alarm distances

▶ SAFETY APPROVED
The USBoard-USS5-IP is not a safety device

▶ IP-LEVEL
IP67