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KÜBLER RADAR SENSORS



RAD51C.020.11111.1118 Radar Sensor 0.15m ... 20m range Analogue + 3 switching outputs

- · Insensitive to dust, wind, rain, fog, temperature fluctuations and ambient light.
- · Maximum focusing for precise measurement.
- · Contactless measurement and wide measuring range for flexible use.
- Simple commissioning thanks to graphical user interface.



PRODUCT DESCRIPTION

The Kübler radar sensors use the latest FMCW radar technology for precise measurements in the µm range at a high measurement rate of up to 500 Hz. This fast measurement rate enables real-time monitoring and control, which increases efficiency and reaction speed in dynamic environments. The measuring range of up to 40 m and the small blind zone of just 0.1 m offer maximum flexibility for applications in the steel industry, logistics, mobile automation and agricultural technology. The narrow aperture angle of just +/-1.5° guarantees focused measurements that deliver maximum accuracy even in demanding environments - ideal for complex applications such as condition monitoring and condition monitoring of machines or bridges.

TECHNICAL DATA

Analogue outputs	4 - 20 mA
Distance max	20 m
Distance Min	0.15 m
Electrical connection	M12 8-pin connector
IP class	IP67, IP69K
LED indication	No
Material of sensor housing	Stainless steel 1.4404
Resolution	100
Supply voltage dc max	40 V DC
Supply voltage dc min	10 V DC
Switching Outputs	3xPNP/NPN
Temperature operational max	70 °C
Temperature operational min	-40 °C















