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MICRO-SENSOR

Advantages and Applications of Series BG, NG und LG

Acceleration sensors of series BG, NG and LG are distinguished by:

- simple construction – assembling with two screws M4 only
- rugged plasic housing – no electrochemical processes between sensor and object to measure
- housing in protection class IP67 – resistant against fuels, oils, seewater and a lot of chemicals
- Plug in protection class IP67 brand AMP Superseal – developed for heavy requirements in automotive industry
- wide range of temperature -50°C to +85°C (-67°F to +185°F) – to use almost everywhere
- no hysteresis – very good repeatibility of signal
- label cutted by laser – readable also after many years
- robust sensor for good price

There are a lot of interesting applications:

- plant and machine engineering and construction		
○ rail vehicle engineering		
▪ vibration	brakes	BS2166
▪ inclination	inclination control for high speed trains	BG2168
▪ swinging	movements across the main direction	BT series
○ agriculture and forestry equipment		
▪ horizontal position	harvesters, tractors	BG2168, LG2166, BG2180
▪ tilt	tractors, forestry machines	NS2168
○ construction machines		
▪ horizontal position	cranes, wheel loader, tracked and wheeled pavers	BG2168, BG2180
▪ tilt	wheel loades, mobile cranes, forklifts	NS2180
○ conveyence		
▪ horizontal position	facade maintenance units, hoists	BG2168, NG2166, BG2180
▪ tilt	hoists	NS2168
▪ vibration	conveyence systems	BG2168
○ machine engineering		
▪ vobration	engines, bearings, damp systems	BG2168, BS2166
▪ imbalance	rotating machines, reaktors, mills	
- energy		
○ power plants		
▪ vibration	steam generators, generators	BG2168
○ wind energy		
▪ vibration	CMS at rotor, generator and gearbox	BG2166, BG2168
▪ swinging	towers, housings	BG2166, BG2168
- automotive		
○ driveability		
▪ acceleration	cars, trucks	BG2168, BG2180
▪ vibrations	cars, trucks	BG2168
- vessel engineering		
○ behaviour		
▪ inclination	list	BT series, BG2168, BG2180
▪ vibration	engines, gearboxes, bearings	BG2168