



Condition Monitoring Sensors  
**BCM R15E-001-DI00-01,5-S4**  
**Order Code: BCM0001**



**Function module vibration acceleration**

Vibration acceleration, evaluation quantities [for each measuring axis]	RMS Peak to Peak
Vibration acceleration, linearity deviation RMS	±2 %FS @79.4 Hz
Vibration acceleration, measurement error RMS	±5 %FS @79.4 Hz
Vibration acceleration, measuring range RMS	0...16 g
Vibration acceleration, resolution RMS	0.006 g @79.4 Hz

**Function module vibration velocity**

Vibration velocity, evaluation quantities [for each measuring axis]	RMS Peak to Peak Mean Standard Deviation Crest Factor Skewness Kurtosis
Vibration velocity, linearity deviation RMS	±2 %FS @79.4 Hz
Vibration velocity, measurement error RMS	±5 %FS @79.4 Hz
Vibration velocity, measuring range RMS	0...220 mm/s @79.4 Hz
Vibration velocity, resolution RMS	0.42 mm/s @79.4 Hz

**General data**

Approval/Conformity	CE WEEE
Function	Vibration Velocity Vibration Acceleration Vibration Severity Zone Contact Temperature Sensor Self-Awareness
Principle of operation	Condition Monitoring Sensors
Series	R15

**Material**

Housing material	Stainless steel (1.4404, 1.4301)
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**Mechanical data**

Dimension	20 x 10 x 32 mm
Mounting	Screw M3 (2x)
Weight	30 g

**Output/Interface**

Baud rate	COM3 (230,4 kBaud)
Interface	IO-Link 1.1
Interface setting option	Flexible process data configuration Vibration measurement based on ISO 10816-3 Data preprocessing (statistics) Events (pre-alarms and main alarms) Delay times for alarms Search function with LED display (ping)
Process data IN	20 bytes
Process data OUT	0 bytes
Process data cycle min.	10 ms

**Remarks**

For additional information, refer to user's guide.  
 Order accessories separately.  
 For further information about the MTTF and B10d see MTTF / B10d certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Connector Drawings**



## Wiring Diagrams

Pin	Color	Signal
1	BN	+24V
3	BU	GND
4	BK	C/Q