



# PRODUCT DATA SHEET

## PCH 1220 COMPACT VIBRATION GUARD



PCH 1220 Vibration Guard

### Type

<b>Sensor type:</b>	Capacitive accelerometer
<b>Measuring parameter:</b>	Velocity (mm/s),
<b>Measuring accuracy:</b>	± 15 %
<b>Frequency range:</b>	10 Hz - 1000 Hz, 18 db/oct (-3 dB, -60 dB/dec)
<b>Detector:</b>	Average, aligned to RMS

### Alarm

<b>Alarm detector:</b>	Alarm with alarm levels at 3.2/5.4/7.5/9.6/12/17/22/26/ 36 or 47 mm/s.
<b>Alarm relay:</b>	Alarm relay, break
<b>Max. relay voltage:</b>	30 V
<b>Max. relay current:</b>	100 mA
<b>Delay time:</b>	5 s
<b>Alarm reset function:</b>	Auto reset, when vibration- level drops below the pre- set alarm level
<b>Status indicator:</b>	Visual on LED: Green: Power ON Red: Alarm level reached

### Connection

<b>Grounding:</b>	Ground (0 V) to chassis
<b>Power supply:</b>	+24 V DC, ± 10 %, max. 50 mA DC
<b>Operating temperature:</b>	-20 °C to +70 °C
<b>Housing (IP65):</b>	Stainless steel type 1.4305
<b>Weight:</b>	Approx 110 g
<b>Connector:</b>	M 12
<b>Cable (option):</b>	2, 5, 10 m
<b>Mounting:</b>	Threaded stud, M 8 mm

### Ordering

At order please inform requested measuring range and frequency range. As an option cables in lengths of 2, 5 or 10 meters incl connectors can be ordered.

### Options

CHA 1012 High Temperature adaptor, 90 °C radiation  
 CHL 1073 Cable with M 12 connector, L=1500 mm  
 CHL 1074 Cable with M 12 connector, L=3000 mm  
 CHL 1075 Cable with M 12 connector, L=5000 mm  
 CHL 1088 Cable w. M12 90° connector, L = 5000 mm  
 CHL 1077 Cable with M 12 connector, L=10000 mm  
 CHL 1058 Cable w. M12 90° connector, L=10000 mm