





Model Number 649A01	RECIPROCATING MACHINERY PROTECTOR (RMP)		Revision: B ECN #: 45955
Performance	ENGLISH	SI	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. EX - Hazardous Area Approval- contact factory for specific approvals M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A41
Output	4-20 mA	4-20 mA	
Machinery RPM Range	240 to 10,000 cpm	4 to 166 Hz	
Sampling Time	0.2 to 6.4 sec	0.2 to 6.4 sec	
Weighting Factor	0.1 to 20 mA	0.1 to 20 mA	
Peak Coupling Current Range	4 to 20 mA	4 to 20 mA	
Shock Threshold Limit	2 to 50 g	2 to 50 g	
Environmental			
Temperature Range	-40 to 212 °F	-40 to 100 °C	
Storage Temperature Range	-40 to 257 °F	-40 to 125 °C	
Electrical			
Excitation Voltage	15 to 30 VDC	15 to 30 VDC	
Load Resistance	50(Vs-15) Ohm	50(Vs-15) Ohm	
Electrical Isolation	>10^8 Ohm	>10^8 Ohm	
Physical			
Size (Hex x Height)	1.25 in x 2.60 in	32 mm x 66 mm	
Weight	7 oz	198 gm	
Mounting Thread	1/4-28 UNF	1/4-28 UNF	
Mounting Torque	3 to 5 ft-lb	4 to 7 Nm	
Sensing Element	Piezoelectric Accelerometer	Piezoelectric Accelerometer	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connection Position	Top	Top	
Electrical Connections(Pin A)	4-20 mA Pos (+)	4-20 mA Pos (+)	
Electrical Connections(Pin B)	4-20 mA Neg (-)	4-20 mA Neg (-)	
Overload Limit (Shock)	5000 g pk	49,050 m/s ² pk	
 [1]   <p style="font-size: small;">All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.</p>			NOTES: [1] See PCB Declaration of Conformance PS039 or PS053 for details.
 IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043			SUPPLIED ACCESSORIES: Model 081A41 Mounting stud 1/4-28 socket head set screw brass tip stainless steel 5/8" long (1)
Entered: LK Engineer: BAM Sales: MC Approved: BAM Spec Number: Date: 9/21/2016 Date: 9/21/2016 Date: 9/21/2016 Date: 9/21/2016 38166			Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com



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