

Model Number 649A01	RECIPROCATING MACHINERY PROTECTOR (RMP)	Revision: B ECN #: 45955
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	<u>ENGLISH</u>	<u>SI</u>
Performance		
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

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

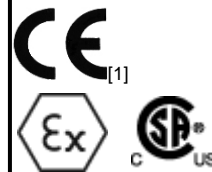
NOTES:
[1] See PCB Declaration of Conformance PS039 or PS053 for details.

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**


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*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.*

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