Model Number 682A14	4-20 MA DIN RAIL SIGNAL CONDITIONER/TRANSMITTER	Revision: NR ECN #: 50075

Performance	ENGLISH	SI	
Channels	1	1	
Input Signal(Vibration)	± 100 mV/g	± 10.2 mV/(m/s²)	[1]
Output Signal(DC Vibration)	4 to 20 mA	4 to 20 mA	[2]
Output Signal(AC Vibration)	100 mV/g	10.2 mV/(m/s²)	[3]
Frequency Range(- 3 dB)(Velocity)	210 to 600,000 cpm	3.5 to 10k Hz	[4][5][6]
Output Range(DC Velocity)	0 to 1.00 in/sec pk	0 to 25.4 mm/s pk	[1]
Environmental			
Temperature Range(Operating)	-13 to 158 °F	-25 to 70 °C	
Temperature Range(Storage)	-40 to 257 °F	-40 to 125 °C	
Humidity Range(Non-Condensing)	0 to 95 %	0 to 95 %	
Electrical			
Power Required	DC Power	DC Power	
DC Power	23 to 25 VDC	23 to 25 VDC	
DC Power(maximum)	100 mA	100 mA	
Settling Time	< 2 min	< 2 min	
Excitation Voltage(delivered to sensor)	19 to 21 VDC	19 to 21 VDC	
Constant Current Excitation(delivered to sensor)	3 to 5 mA	3 to 5 mA	
Output Span(± 5.0 %)(DC Vibration Current Output)	16 mA	16 mA	
Physical			
Electrical Connector(input/output)	Removable Screw Terminals	Removable Screw Terminals	
Electrical Connector(raw vibration output)	BNC Jack	BNC Jack	
Housing Material	Polyamide	Polyamide	
Size (Height x Width x Depth)	3.9 in x 0.9 in x 4.5 in	99 mm x 22.5 mm x 114.5 mm	
Weight(Maximum)	6.4 oz	127	
Screw Terminal Wire Size	24-14 AWG	24-14 AWG	
Din Rail Mount	1.38 in	35 mm	
Status Indicator(Power "on")	Green LED	Green LED	
Status Indicator(Input Fault)	Red LED	Red LED	

CE[7]

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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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.

NOTES:

[1]Output measurement range is based upon input from 100 mV/g ICP® accelerometer and will be scaled inversely proportional to any percentage deviation of this input.
[2]Output current voltage will fluctuate at frequencies below 5 Hz.
[3]Achieved with 100 mV/g ICP® accelerometer input.
[4]Attenuation is -40 dB/decade.
[5]The low frequency tolerance is accurate within ± 0.5 Hz of the specified frequency.
[6]The high frequency tolerance is accurate within ±1.0 kHz of specified frequency.
[7]See PCB Declaration of Conformance PS124 for details.

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Aufgrund laufender Weiterentwicklungen sind Änderungen der Spezifikationen vorbehalten. Alle Angaben vorbehaltlich Satz- und Druckfehler.

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