

CX-RLY

Vibration Monitor

CX-RLY is a 4-Channel Vibration Monitor.

It works with Loop Power, 4-20mA Output Vibration Sensors.

Warranty : 2 years



CX-RLY SPECIFICATION

Parameter	CX-RLY
Number of I/O	8 Input (4 digital, 4 analog/digital) 4 Output
Dimensions HxWxD	91 x 75 x 59 mm
Supply voltage range	20.4...26.4V DC
Power consumption	3 W
I/O rating	Input: 24V DC, 8 mA Relay : 4 A @ 240V AC
Shipping weight, approx.	0.203 kg
Wire size	0.32... 2.1 mm ² (22...14 AWG) solid copper wire or 0.32... 1.3 mm ² (22...16 AWG) stranded copper wire rated @ 90 °C insulation max.
Enclosure type rating	Meets IP20
DC Inputs	
On-state voltage, nom	12/24V DC
On-state voltage, min	9.8V DC
On-state voltage, max	28.8V DC
Off-state current, max	0.5 mA
On-state current, min	0.75 mA @ 10.8V DC 1.0 mA @ 15V DC

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On-state current, nom	2.1 mA @ 24V DC
On-state current, max	2.7 mA @ 28.8V DC
Nominal impedance	14.1 KOhm
Analog Inputs	
Input type	DC voltage
Input voltage range	0...6V DC accepted
Input voltage, max	26.4V DC
Value of LSB	10 mV
Overall accuracy	2% of full-scale (with calibration) (25...55 °C)
Noise rejection	50/60 Hz
Common mode rejection	40 dB, DC to 60 Hz with smoothing filter
Nominal impedance	14.1 kΩ (non-isolated)
Relay Outputs	
Output rating	4 A @ 240V AC, 2 A @ 24V DC,
Voltage, min	5V AC/DC
Voltage, max	250V AC, 30V DC @ rated current.
Mechanical	10,000,000 cycles
Electrical with rated load	50,000 cycles
Environmental	
Temperature, operating	IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): 0...55 °C
Temperature, surrounding air, max.	55 °C
Temperature, storage	-40...85 °C
Relative humidity	IEC 60068-2-30 (Test Db, Unpackaged Damp Heat): 5...95% non-condensing
Vibration	IEC 60068-2-6 (Test Fc, Operating): 2 g @ 10...500 Hz
Shock, operating	IEC 60068-2-27 (Test Ea, Unpackaged Shock): 30 g
Shock, non-operating	IEC 60068-2-27 (Test Ea, Unpackaged Shock): 30 g (DIN Rail Mounted)
ESD immunity	IEC 61000-4-2: 4 kV contact discharges 8 kV air discharges
Certifications	
CE	European Union 2004/108/EC EMC Directive, compliant with: EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions



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