

SIPLUS CMS2000 VIB-Sensor S01 "Vibration sensor;" Frequency range 0.5 Hz to "15 kHz; measuring range 50G;" sensitivity 100 mV/G "(+/-10%); MIL connector top"



General information

Product brand name	SIPLUS
Product description	Piezoelectric sensor for connection to the SIPLUS CMS2000 Basic Unit VIB or the SIPLUS CMS2000 VIB-MUX expansion module

Installation type/mounting

other mounting	incl. mounting bolts UNF1/4-28 on M8
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Input current

Type of power supply	IEPE 2 to 10 mA
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Sensor input

Encoder signals, IEPE	
• Signal voltage (DC), min.	10 V
• Signal voltage (DC), max.	14 V

Integrated Functions

Measuring functions	
• Physical measuring principle	Piezo-quartz recorder with integrated evaluation electronics
• Operating range of sensor at +/- 3 dB, min.	0.5 Hz

• Operating range of sensor at +/- 3 dB, max.	15 000 Hz
• Resonance frequency	23 kHz
Measuring range	
— Measurement range vibration acceleration, max.	50 gn
— Resolution of measured value of vibration acceleration, min.	0.002 gn
— Sensitivity, typ.	100 mV/gn
Degree and class of protection	
IP degree of protection	IP65
Standards, approvals, certificates	
CE mark	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	-50 °C
• max.	120 °C
Cables	
Cable length, max.	80 m
Connection method	
Type of connection	MIL-C5015
Mechanics/material	
Material of housing	Stainless steel
last modified:	09/12/2019