SIEMENS

Data sheet 6AT8002-4AB00



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 on top

General information	
Product type designation	VIB sensor S01
Product description	piezoelectric sensor for connection to the SIPLUS CMS2000 Basic Unit VIB or the SIPLUS CMS2000 VIB-MUX expansion module
Installation type/mounting	
Installation and mounting instructions	incl. mounting bolts UNF1/4-28 on M6 and M8
Input current	
Type of power supply	IEPE 2 to 10 mA
Encoder	
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
— 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.	30 m
Connection method	
Type of connection	MIL-C5015
Mechanics/material	
Material of housing	Stainless steel

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Classifications

	Version	Classification
eClass	16	27-20-14-12
eClass	14	27-20-14-12
eClass	12	27-20-14-12
eClass	9.1	27-20-14-12
eClass	9	27-20-14-12
eClass	8	27-20-14-04
eClass	7.1	27-20-14-04
eClass	6	27-20-14-04
ETIM	10	EC002961
ETIM	9	EC002961
ETIM	8	EC002961
ETIM	7	EC002961
IDEA	4	6306
UNSPSC	15	41-11-36-39

Approvals / Certificates

General Product Approval			EMV		
UKCA	CE EG-Konf.	China RoHS	CE EG-Konf.	KC	RCM

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