

SIPLUS CMS1000 SENSOR VIBRATION ACCELERATION 0 HZ UP
TO 6.5 KHZ PROTECTION CATEGORY IP67 UB: +5VDC



General information	
Product brand name	SIPLUS
Product designation	SIPLUS CMS1000 SENSOR
Product description	Vibration acceleration sensor for the SIPLUS CMS1000 Bearing Guard
Installation type/mounting	
Mounting type	Screw connection via M6 thread
Installation and mounting instructions	in the load zone of the bearing, radial to the drive axis
Supply voltage	
Design of the power supply	via basic unit
Power loss	
Power loss, typ.	20 mW
Protocols	
Bus communication	No
Integrated Functions	
Measuring functions	
Measuring range	

— Measurement range vibration frequency, min.	0 Hz
— Measurement range vibration frequency, max.	6 500 Hz
— Measurement range vibration acceleration, min.	-5 gn
— Measurement range vibration acceleration, max.	5 gn
— Sensitivity, typ.	312 mV/gn

Degree and class of protection

IP degree of protection	IP67
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Standards, approvals, certificates

Certificate of suitability	CE
CE mark	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Standard for interference immunity	IEC 61326-1
Standard for safety	IEC 61010-1
Equipment marking according to EN 61346-2	B
Equipment marking according to DIN 40719, expanded according to IEC 204-2, according to IEC 750	B

Ambient conditions

Ambient temperature during operation

• min.	-40 °C
• max.	120 °C

Ambient temperature during storage/transportation

• Storage, min.	-40 °C
• Storage, max.	120 °C
• Transportation, min.	-40 °C
• Transportation, max.	120 °C

Relative humidity

• Operation with condensation, min.	5 %
• Operation with condensation, max.	95 %

Connection method

Design of electrical connection for the inputs and outputs	4-pin socket M12
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Mechanics/material

Material of housing	Stainless steel
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Dimensions

Length	64 mm
Diameter	22 mm
Weights	
Weight	100 g
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