



SIPLUS CMS - HARDWARE IFN VIB-A ACQUISITION OF ANALOG SIGNALS;
DETECTION OF MACHINE VIBRATIONS 6*IEPE-INPUT FOR VIBRATION ACCELERATION MEASUREMENT;
UB=24VDC;
IP67 MEASUREMENT;
UB=24VDC;
IP67

General technical data:		
product brand name		SIPLUS
Product designation		IFN VIB-ACC
Product description		Six IEPE sensor signals or five IEPE sensor signals and one analog input signal (e.g. for speed) are measured with the IFN VIB-A.
Material / of the enclosure		aluminum
Width	mm	86
Height	mm	210
Depth	mm	87
Width / for DIN rail mounting	mm	86
Height / for DIN rail mounting	mm	210
Depth / for DIN rail mounting	mm	96
Mounting type		standard rail
Distance, to be maintained, to the ranks assembly		
• forwards	mm	80
• upwards	mm	25
• backwards	mm	25
Net weight	kg	1.24
Ambient temperature		
• during operating	°C	-40 ... +65

• during storage	°C	-40 ... +85
• during transport	°C	-40 ... +85
Protection class IP		IP67

Supply voltage:

Design of the pin assignment / of the inputs		Male connector 5-pole (M12)
Supply voltage / for DC / typical	V	24
Supply voltage		
• for DC	V	19.2 ... 32
Design of the overvoltage protection / on the DC side		max. 35 V
Consumed current / from external supply voltage / at 24 V / with DC / maximum	A	0.2
Product function / polarizing key		Yes
Type of voltage supply		stabilized
Consumed active power / for DC / maximum	W	4.8

Communication:

Number of interfaces		3
Design of the plug-in connection		Connector plug 8-pole (M12)
Transfer rate	Mbit/s	400
Number of sensor inputs		6
Designation / of sensor inputs		CH1 ... CH6
Design of the sensor		IEPE
Scanning frequency / for IEPE signals / maximum	kHz	192
Electrical input frequency		
• for IEPE signals	Hz / kHz	0.1 ... 40
A/D resolution / for IEPE signals / including overrange and sign	bit	16
Relative measuring accuracy		
• for IEPE signals	%	-0.7 ... +0.7
Crosstalk attenuation		
• between the sensor channels CH 1 and CH 2 / at 1 kHz	dB	-69
• between the sensor channels CH 3 ... CH 6 / at 1 kHz	dB	-73
Signal-noise ratio		
• between the sensor channels CH 1 and CH 2 / for IEPE signals	dB	-57
• between the sensor channels CH 3 ... CH 6 / for IEPE signals	dB	-70
Overvoltage strength		
• at sensor input	V	-60 ... +60
Product function / at sensor input / galvanic isolation		No
Diagnostic function / at sensor input		
• wire break detection		Yes
• short-circuit detection		Yes

Number of analog inputs		1
Input current / at analog input / with DC	mA	0.012
Input voltage / at analog input • with DC	V	-30 ... +30
Electrical input frequency • for analog input signals	Hz / kHz	0 ... 1
Scanning frequency / for analog input signals / maximum	kHz	192
A/D resolution / for analog input signals / including overrange and sign	bit	16
Relative measuring accuracy • for analog input signals	%	-1 ... +1
Crosstalk attenuation / between the analog input signals / at 1 kHz	dB	-78
Signal-to-noise ratio / for analog input signals	dB	-69
Overvoltage strength • at analog input	V	-60 ... +60
Product function / at analog input / galvanic isolation		No
Diagnostic function / at analog input • wire break detection • short circuit detection		No No

Connection elements and terminals:

Product property / functional grounding		Yes
Design of electrical connection / for PE conductor		M4 screw with contact washer
Connectable conductor cross-section / for PE connection	mm ²	2.5
Verification of suitability		CE

Features:

Declaration of Conformity



Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

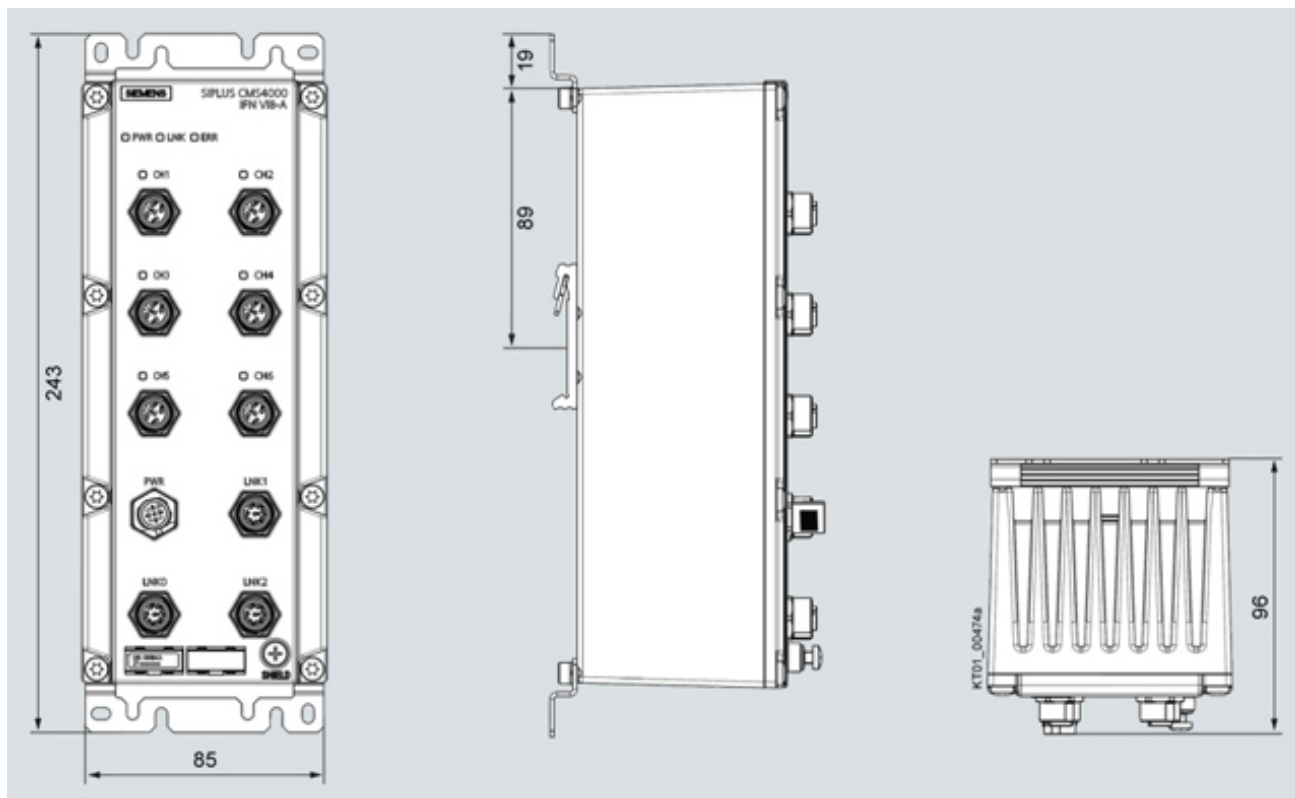
<http://www.siemens.com/industrial-controls/mall>

Cax online generator

<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/6AT8000-1BB00-4XA0/all>



last change:

Apr 20, 2014