



SIPLUS CMS - HARDWARE IFN ANALOGINPUT
 ACQUISITION OF ANALOG SIGNALS 6*ADC;
 +/-10V;
 192KHZ;
 IP67

General technical data:		
product brand name		SIPLUS
Product designation		IFN ANALOGINPUT
Product description		Up to six analog input signals can be measured with the IFN AI.
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	1.23
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	18 ... 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		0
Number of analog inputs		6
Input current / at analog input / with DC	mA	0.012
Input voltage / at analog input • with DC	V	-10 ... +10
Electrical input frequency • for analog input signals	Hz / kHz	0 ... 96
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	%	-0.5 ... +0.5
Crosstalk attenuation / between the analog input signals / at 1 kHz	dB	-90
Signal-to-noise ratio / for analog input signals	dB	-80
Overvoltage strength • at analog input	V	-60 ... +60
Product function / at analog input / galvanic isolation		Yes
Diagnostic function / at analog input • wire break detection		Yes
• short circuit detection		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/6AT8000-1BB00-0XA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6AT8000-1BB00-0XA0

last change:

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