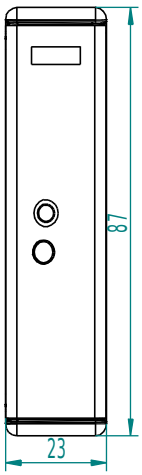
SEA cRIO GPS Mobile Module
Version: 3.0.0, Order number: 60000001

Science & Engineering Applications Datentechnik GmbH



For further information please refer to:

www.sea-gmbh.com/en/products/compactrio-products

Specifications

GPS	
Data rate time telegram [Hz]	4
Sync output connector PPS Pulse / Programmable pulse / Sync routing to backplane (PPS Pulse via backplane)	included

Power Supply		
Power Supply Voltage [V]	7 ... 30	
Backplane current [mA]	typ. (active GPS connected)	sleep
	60	4

Connectors	
GPS antenna connector	MCX female
Sync output connector	SMB male

Shock and Vibration	
random (IEC 60068-2-64)	5 g rms, 10 to 575 Hz operation vibration

Shock and Vibration	
sinusodial (IEC 60068-2-6)	5 g, 10 to 575 Hz operation shock
shock (IEC60068-2-27)	15 g / 30 g, 11 ms half sine
	50 g, 3 ms half sine (10 shocks at 6 orientations)

Environmental	
Relative Humidity, non condensing [%]	5 ... 90
Ingress protection	IP 30 (for Combo and GSM with connected power cable)
Maximum altitude [m]	2000
Maximum Operating Temperature [°C]	-40 ... 80
Maximum Storage temperature [°C]	-40 ... 80
Size DxWxH [mm]	70x23x87
Weight [g]	170 ... 175

Electromagnetic Compatibility

For EMC compliance, it is recommended to operate the cRIO Mobile modules with original and shielded antenna cabling only.

This cRIO GPS Mobile module meets the essential requirements of the following US directives:

- Use of RF Spectrum. Standards: FCC 47 Part 24
- EMC (Electromagnetic Compatibility)
- The product complies with the FCC Standard 47 Part 15

This product meets the essential requirements of applicable European Directives, as named for CE marking, as follows:

- EMC (Electromagnetic Compatibility), Directive (EMC) 89/336/EEC, Directive (R&TTE) 1999/5/EC

In order to satisfy the essential requisite of the R&TTE 1999/5/EC directive, the modules are compliant with the following standards:

- GSM (Radio spectrum). Standard EN 301 511 and 3 GPP 51.0 10-1
- EMC (Electromagnetic Compatibility). Standards EN 301 489-1 and EN 301 489-7

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