

Start Inhibits Attributes

These are the Start Inhibit related attributes associated with a Motion Control Axis Object instance. Start Inhibits are conditions that prevent transition of the axis from the Stopped State into any of the operational states.

CIP Start Inhibits

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Required - D	Get/GSV	T	WORD	-	-	-	<p>Enumeration:</p> <p>0 = Reserved</p> <p>1 = Axis Enable Input</p> <p>2 = Motor Not Configured</p> <p>3 = Feedback Not Configured</p> <p>4 = Commutation Not Configured</p> <p>5 = Safe Torque Off Active</p> <p>6 = Converter Bus Unload</p> <p>7 - 15 = Reserved</p>

A bit map that specifies the current state of all standard conditions that inhibits starting of the axis.

CIP Start Inhibits - RA

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values

- ▷ [Quick Start Steps](#)
- ▷ [Logix Designer](#)
- ▷ [Module Information](#)
- ◀ [Instruction Set](#)
 - [Logix 5000 Controllers](#)
 - [Instruction and Application Considerations](#)
 - [Logix Designer Application Instruction Set](#)
 - [Interpret the Attribute Tables](#)
 - [Array Concepts](#)
 - ◀ [CIP Axis Attributes](#)
 - [AXIS_CIP_DRIVE Diagrams](#)
 - [AXIS_CIP_DRIVE Structure](#)
 - ▷ [Accessing Attributes](#)
 - [AC Line Condition Attributes](#)
 - [Acceleration Control Attributes](#)
 - [Acceleration Control Configuration Attributes](#)
 - [Additional Error Code Information](#)
 - ▷ [APR Fault Attributes](#)
 - [Auto-Tune Configuration Attributes](#)
 - ▷ [Axis Exception Action Configuration Attributes](#)
 - [Axis Info Attributes](#)
 - [Axis Safety Status Attributes](#)
 - [Axis Statistical Attributes](#)
 - [CIP Axis Status Attributes](#)
 - [CIP Error Codes](#)
 - [CIP Motion Axis Control Modes](#)
 - ▷ [Command Reference Generation Attributes](#)
 - [Configuration Fault Attributes](#)
 - [Control Mode Attributes](#)
 - [Converter AC Line Configuration Attributes](#)
 - [Converter AC Line Monitoring Attributes](#)
 - [Converter AC Line Source Configuration Attributes](#)
 - [Converter Bus Voltage Control Configuration Attributes](#)
 - [Converter Bus Voltage Control Signal Attributes](#)
 - [Converter Control Mode Attributes](#)

[Attributes](#)

Required - D	Get/GSV	T	WORD	-	-	-	Enumeration: 0 = Reserved 1 = Volts Hertz Curve Definition 2 = Motor Feedback Required 3 = Speed Limit Configuration 4 = Torque Prove Configuration 5 = Safe Torque Off 6 = Safety Reset Required 7 = Safety Not Configured 8 = Stop Command Active 9 = Feedback Device Reset 10 = Brake Malfunction 11 = AC Line Contactor Input 12 - 15 = Reserved	<u>Converter Current Control Configuration Attributes</u> <u>Converter Current Control Signal Attributes</u> <u>Converter Current Reference Configuration Attributes</u> <u>Converter Current Reference Signal Attributes</u> <u>Converter Output Attributes</u> <u>Converter Reactive Power Control Attributes</u> <u>Converter Types</u> <u>Current Control Signal Attributes</u> <u>Current Control Configuration Attributes</u> <u>Cyclic Read and Cyclic Write DC Bus Condition Attributes</u> <u>Device Function Codes</u> <u>Device Commissioning Attributes</u> <u>Drive General Purpose I/O Attributes</u> <u>Drive Output Attributes</u> <u>Drive Parameters</u> <u>Event Capture Attributes</u> <u>Exception Factory Limit Info Attributes</u> <u>Exception User Limit Configuration Attributes</u> <u>Exception, Fault and Alarm Attributes</u> <u>Exceptions</u> <u>Fault and Alarm Behavior</u> <u>Feedback Interface Types</u> <u>Feedback Configuration Attributes</u> <u>Frequency Control Configuration Attributes</u> <u>Frequency Control Signal Attribute</u> <u>General Feedback Info Attributes</u> <u>General Feedback Signal Attributes</u> <u>General Linear Motor Attributes</u> <u>General Motor Attributes</u> <u>General Permanent Magnet Motor Attributes</u> <u>General Rotary Motor</u>
--------------	---------	---	------	---	---	---	---	--

A bit map that specifies the current state of all Rockwell Automation specific conditions that inhibits starting of the axis.

See also

[Standard Start Inhibits](#)

[Rockwell Automation Specific Start Inhibits](#)

[CIP Axis Attributes](#)

Attributes

Guard Safety Attributes

Guard Safety Status

Attributes

Hookup Test Configuration

Attributes

Hookup Test Result

Attributes

Identify Motion Axis

Attributes Based on Device

Function Codes

Induction Motor Attributes

Inertia Test Configuration

Attributes

Inertia Test Result

Attributes

Initialization Faults

Attributes

Interior Permanent Magnet Motor Attributes

Linear PM Motor Attributes

Load Transmission and Actuator Attributes

Local Mode Configuration

Attribute

Module/Node Fault and Alarm Attributes

Motion Control Axis

Behavior Model

Motion Control

Configuration Attributes

Motion Control Interface

Motion Control Methods
Motion Control Modes
Motion Control Signals
Attributes

Motion Control Status

Attributes

Motion Database Storage

Attributes

Motion Dynamic Configuration Attributes

Motion Fault and Alarm Exceptions

Motion Homing Configuration Attributes

Motion Instruction Compatibility

Motion Planner

Configuration Attributes

Motion Planner Output

► Motion Scaling At

[MOTOR ATTRIBUTES MODELS](#)

- [Motor Test Result](#)
- [Attributes](#)
- [No Control Mode](#)
- [Position Control Mode](#)
- [Position Loop Signal](#)
- [Attributes](#)
- [Position Loop](#)
- [Configuration Attributes](#)
- [Power and Thermal](#)
- [Management Configuration](#)
- [Attributes](#)
- [Power and Thermal](#)
- [Management Status](#)
- [Attributes](#)
- [Replicated Attributes](#)
- [Required vs. Optional Axis](#)
- [Attributes](#)
- [Reset an APR Fault](#)
- [Rockwell Automation](#)
- [Specific CIP Axis Alarm](#)
- [Names](#)
- [Rockwell Automation](#)
- [Specific Exceptions](#)
- [Rockwell Automation](#)
- [Specific CIP Axis Fault](#)
- [Names](#)
- [Rockwell Automation](#)
- [Specific Initialization Faults](#)
- [Rockwell Automation](#)
- [Specific Start Inhibits](#)
- [Rotary PM Motor Attributes](#)
- [Standard CIP Axis Fault and](#)
- [Alarm Names](#)
- [Standard Exceptions](#)
- [Rotary PM Motor Attributes](#)
- [Standard Initialization](#)
- [Faults](#)
- [Standard Start Inhibits](#)
- [Start Inhibits Attributes](#)
- [State Behavior](#)
- ▷ [Stopping and Braking](#)
- [Attributes](#)
- [Torque Control Mode](#)
- [Torque/Force Control](#)
- [Configuration Attributes](#)
- [Torque/Force Control](#)
- [Signal Attributes](#)
- [Velocity Control Mode](#)
- [Velocity Loop Configuration](#)
- [Attributes](#)
- [Velocity Loop Signal](#)
- [Attributes](#)
- ▷ [Module Configuration](#)
- [Attributes](#)

[Bit Addressing](#)[Common Attributes](#)[Data Conversions](#)[Elementary data types](#)[LINT data types](#)[Floating Point Values](#)[Immediate values](#)[Index Through Arrays](#)[Math Status Flags](#)[Motion Error Codes \(.ERR\)](#)[Structures](#)

- ▷ [Equipment Sequence instructions](#)

- ▷ [Equipment Phase Instructions](#)

- ▷ [Alarm Instructions](#)

- ▷ [Advanced Math Instructions](#)

- ▷ [Array\(File\)/Misc Instructions](#)

- ▷ [Array\(File\)/Shift Instructions](#)

- ▷ [ASCII Conversion Instructions](#)

- ▷ [ASCII Serial Port Instructions](#)

- ▷ [ASCII String Instructions](#)

- ▷ [Bit Instructions](#)

- ▷ [Compare Instructions](#)

- ▷ [Debug Instructions](#)

- ▷ [Drives Instructions](#)

- ▷ [Drive Safety Instructions](#)

- ▷ [For/Break Instructions](#)

- ▷ [Filter Instructions](#)

- ▷ [Function Block Attributes](#)

- ▷ [Structured Text Attributes](#)

- ▷ [Compute/Math Instructions](#)

- ▷ [Move/Logical Instructions](#)

- ▷ [Input/Output Instructions](#)

- ▷ [License Instructions](#)

- ▷ [Math Conversion Instructions](#)

- ▷ [Metal Form Instructions](#)

- ▷ [Motion Configuration Instructions](#)

- ▷ [Motion Event Instructions](#)

- ▷ [Motion Group Instructions](#)

- ▷ [Motion Move Instructions](#)

- ▷ [Motion State Instructions](#)

- ▷ [Multi-Axis Coordinated Motion Instructions](#)

- ▷ [Logical and Move Instructions](#)

- ▷ [Program Control Instructions](#)

- ▷ [Sequencer Instructions](#)

- ▷ [Special Instructions](#)

- ▷ [Timer and Counter Instructions](#)

- ▷ [Trigonometric Instructions](#)

- ▷ [Process Control Instructions](#)

- ▷ [Select/Limit Instructions](#)
- ▷ [Sequential Function Chart \(SFC\) Instructions](#)
- ▷ [Statistical Instructions](#)
- ▷ [Safety Instructions](#)
- ▷ [Studio 5000 Logix Designer Glossary](#)

Copyright © 2019 Rockwell Automation Technologies, Inc. All Rights Reserved.

[How are we doing?](#)