

SIEMENS

OPC Interface Specifications Version 3.0

MK7022

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MK7022 network unit

This workbook describes the objects provided by the Siemens OPC Data Access Server to represent the MK7022 network unit in a Cerloop

Legend

ID	Object Model	Description					
<ID>	<Object Model>	<Description>					
			States		Commands on OPC Item Mode		
	OPC Item PresentValue	OPC Item Mode	Result State	1 - Activate	2 -	5 -	6 -
	0-Quiet	1-Normal	Normal	X			
	1-Pre Alarm	1-Normal	Pre Alarm				
	16-Abnormal	1-Normal	Anomaly				
	2-Alarm	1-Normal	Alarm				

Notes

The Object Model defines the states and commands of all instances of that type. In particular, an Object Model virtualizes a class of physical objects (devices and points in the system) by means of specific properties.

In the OPC interface, the physical object is represented by an instance of an Object Model that contains *PresentValue* and *Mode* properties represented by two VT_UI4 OPC Items. An appropriate combination of these two values defines the real state of the instance (result state). When a command is issued, it acts on the Mode property only. This results in changing the state of the instance.

To identify the Object Model of each object instance, open the CSV export file with a spreadsheet program and refer to the Object Model column (See also *Example of Exported CSV File* in section *OPC Server* of the online help).

ID	Object Model	Description																			
MK7022-0010	Cerloop	The Cerloop system object, which holds all the MK7022 network units connected subsystems																			
<table border="1"> <thead> <tr> <th data-bbox="243 386 1171 418">States</th> <th colspan="4" data-bbox="1182 386 2011 418">Commands on OPC Item Mode</th> </tr> </thead> <tbody> <tr> <td data-bbox="243 488 541 513">OPC Item PresentValue</td> <td data-bbox="552 488 751 513">OPC Item Mode</td> <td data-bbox="762 488 1171 513">Result State</td> <td data-bbox="1182 488 1381 513">\</td> <td data-bbox="1392 488 1591 513">\</td> <td data-bbox="1602 488 1801 513">\</td> <td data-bbox="1812 488 2011 513">\</td> </tr> <tr> <td data-bbox="243 586 541 610">0-Quiet</td> <td data-bbox="552 586 751 610">1-Normal</td> <td data-bbox="762 586 1171 610">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			States	Commands on OPC Item Mode				OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\	0-Quiet	1-Normal	Normal				
States	Commands on OPC Item Mode																				
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\															
0-Quiet	1-Normal	Normal																			

ID	Object Model	Description
MK7022-0020	MK7022	The Application object represents the events related to the MK7022 unit
<p style="text-align: center;">States</p> <p>OPC Item PresentValue OPC Item Mode Result State</p>		<p style="text-align: center;">Commands on OPC Item Mode</p> <p style="text-align: center;">\ \ \ \</p>
0-Quiet	1-Normal	Normal
3-Fault	1-Normal	Fault
267-Non Default Mode	12-Disabled	Partially Disconnected

ID	Object Model	Description
MK7022-0030	MK7022 BACnet Device	BACnet Device representing the communication characteristics of the MK7022 unit
<div style="display: flex; justify-content: space-between;"> <div style="width: 55%; background-color: #ffffcc;"> <p style="text-align: center;">States</p> </div> <div style="width: 40%; background-color: #ccffcc;"> <p style="text-align: center;">Commands on OPC Item Mode</p> </div> </div>		
OPC Item PresentValue	OPC Item Mode	Result State
0-Quiet	1-Normal	Normal

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