

SIEMENS

OPC Interface Specifications Version 5.1

NK823x

Document No. A6V11370184
Edition 2021-10-31

ID	Object Model	Description						
NK823x-0010	NK823x	NK823x system object.						
		States			Commands on OPC Item Mode			
		OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
		0-Quiet	1-Normal	Normal				

ID	Object Model	Description																										
NK823x-0020	NK823x BACnet client	Any of the clients (up to 4) connected to the NK823x via the BACnet protocol.																										
<table border="1"> <thead> <tr> <th data-bbox="415 354 499 370">States</th> <th colspan="4" data-bbox="1100 354 1310 370">Commands on OPC Item Mode</th> </tr> <tr> <th data-bbox="205 423 394 440">OPC Item PresentValue</th> <th data-bbox="436 423 604 440">OPC Item Mode</th> <th data-bbox="667 423 814 440">Result State</th> <th data-bbox="961 423 1045 440">\</th> <th data-bbox="1108 423 1192 440">\</th> <th data-bbox="1255 423 1339 440">\</th> <th data-bbox="1423 423 1495 440">\</th> </tr> </thead> <tbody> <tr> <td data-bbox="205 493 394 509">0-Quiet</td> <td data-bbox="436 493 604 509">1-Normal</td> <td data-bbox="667 493 814 509">Normal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="205 521 394 537">3-Fault</td> <td data-bbox="436 521 604 537">1-Normal</td> <td data-bbox="667 521 814 537">Fault</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					3-Fault	1-Normal	Fault				
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NK823x-0030	NK823x BACnet device	BACnet device representing the communication characteristics of the NK823x unit.																			
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0-Quiet	1-Normal	Normal																			

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NK823x-0040	NK823x BACnet protocol	BACnet protocol configuration object.					
States			Commands on OPC Item Mode				
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\	
0-Quiet	1-Normal	Normal					

ID	Object Model	Description				
NK823x-0050	NK823x COM	Any of the COM ports (up to 4) of the NK823x unit.				
			States		Commands on OPC Item Mode	
			OPC Item PresentValue	OPC Item Mode	Result State	\
			0-Quiet	1-Normal	Normal	\
			3-Fault	1-Normal	Fault	\

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NK823x-0060	NK823x EPSS	External power supply of the NK823x unit.																																								
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16-Abnormal	1-Normal	Battery Low																																								

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NK823x-0070	NK823x Ethernet	Any of the two ETH port of the NK823x unit.				
States			Commands on OPC Item Mode			
OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
0-Quiet	1-Normal	Normal				
3-Fault	1-Normal	Fault				

ID	Object Model	Description
NK823x-0080	NK823x Event Enrollment	BACnet Event Enrollment object for the Output object.
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%; background-color: #ffffcc; padding: 2px;">States</div> <div style="width: 55%; background-color: #ccffcc; padding: 2px;">Commands on OPC Item Mode</div> </div>		
OPC Item PresentValue	OPC Item Mode	Result State
0-Quiet	1-Normal	Normal
7-Active	1-Normal	Active

ID	Object Model	Description																			
NK823x-0090	NK823x Expansion Board	Expansion board of the NK823x unit holding two additional COM ports (#3 and #4).																			
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0-Quiet	1-Normal	Normal																			

ID	Object Model	Description						
NK823x-0100	NK823x I2C	DF8000 subsystem folder.						
		States			Commands on OPC Item Mode			
		OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
		0-Quiet	1-Normal	Normal				
		3-Fault	1-Normal	Fault				

ID	Object Model	Description																							
NK823x-0110	NK823x Input	Any of the Inputs (up to 3) connected to the NK823x unit.																							
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OPC Item PresentValue	Result State	\	\	\	\																				
0-Quiet	Normal																								
7-Active	Active																								

ID	Object Model	Description																			
NK823x-0120	NK823x IO	I/O folder.																			
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OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\															
0-Quiet	1-Normal	Normal																			

ID	Object Model	Description							
NK823x-0130	NK823x License	Current status of the license of the NK823x unit.							
			States		Commands on OPC Item Mode				
			OPC Item PresentValue	OPC Item Mode	Result State	\	\	\	\
			0-Quiet	1-Normal	Normal				
			3-Fault	1-Normal	Invalid license				

ID	Object Model	Description																																			
NK823x-0140	NK823x Logging	Current status of the logging of the NK823x unit.																																			
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States			Commands on OPC Item Mode																																		
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0-Quiet	11-Enabled	Normal																																			
267-Non Default Mode	12-Disabled	Disabled																																			
3-Fault	11-Enabled	Fault																																			

ID	Object Model	Description				
NK823x-0150	NK823x Output	Current status of the Output object of the NK823x unit.				
<div style="display: flex; justify-content: space-between;"> States Commands on OPC Item PresentValue </div>						
OPC Item PresentValue	Result State	<table border="1" style="width: 100%; text-align: center;"> <tr> <td data-bbox="898 420 1045 436">269-Activate</td> <td data-bbox="1045 420 1201 436">276-Deactivate</td> <td data-bbox="1201 420 1356 436">\</td> <td data-bbox="1356 420 1495 436">\</td> </tr> </table>	269-Activate	276-Deactivate	\	\
269-Activate	276-Deactivate	\	\			
0-Quiet	Normal	X				
7-Active	Active	X				

ID	Object Model	Description																																	
NK823x-0160	NK823x Software	Current configuration consistency of the NK823x unit.																																	
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22-Supervisory	1-Normal	Software																																	
3-Fault	1-Normal	Fault																																	

ID	Object Model	Description				
NK823x-0170	NK823x Tamper	Tamper object of the NK823x unit.				
			States		Commands on OPC Item Mode	
	OPC Item PresentValue	OPC Item Mode	Result State	11-Enable	12-Disable	\
0-Quiet	11-Enabled	Normal			X	
8-Tamper	11-Enabled	Tamper alarm			X	
267-Non Default Mode	12-Disabled	Tamper disabled		X		

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