

SIEMENS

OPC Interface Specifications V7

SiPass

Document No. A6V11363941_en_a_70
Edition 2023-09-29

SiPass

This workbook describes the objects provided by the Siemens OPC Data Access Server to represent the SiPass Access Control system

Legend

ID	Object Model	Description
<ID>	<Object Model>	<Description>
	State	Commands on OPC Item

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.

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						
SIPASS-0010	AC AntipassbackArea	Individual entity of control logic for APB area.						
<table border="1"> <thead> <tr> <th data-bbox="197 345 827 483">States</th> <th colspan="2" data-bbox="827 345 1186 483">Commands on OPC Item</th> </tr> <tr> <td data-bbox="197 418 827 483">State</td> <td data-bbox="827 418 1008 483">48-Reset Count</td> <td data-bbox="1008 418 1186 483"></td> </tr> </thead> </table>			States	Commands on OPC Item		State	48-Reset Count	
States	Commands on OPC Item							
State	48-Reset Count							
91-APBAreaCapacityFull X								
92-APBAreaCapacityExceeded X								
93-APBAreaCapacityNotFull X								
94-APBAreaCapacityEmpty X								
95-APBAreaCapacityNotEmpty X								
96-APBAreaCapacityFourEyesAccessAlarm X								
97-APBAreaCapacityFourEyesAccessNormal X								
98-APBAreaWorkGroupCapacityFull X								
99-APBAreaWorkGroupCapacityExceeded X								
100-APBAreaWorkGroupCapacityNotFull X								
101-APBAreaWorkGroupCapacityEmpty X								
102-APBAreaWorkGroupCapacityNotEmpty X								
103-APBCountReset X								
104-APBAreaModeChanged X								

ID	Object Model	Description																					
SIPASS-0020	AC Device	AC Device is the main hardware access component																					
<table border="1"> <thead> <tr> <th data-bbox="491 354 533 370">States</th> <th colspan="2" data-bbox="932 354 1079 370">Commands on OPC Item</th> </tr> </thead> <tbody> <tr> <td data-bbox="199 423 233 440">State</td> <td></td> <td></td> </tr> <tr> <td data-bbox="199 493 365 509">71-UnitCommunicationLost</td> <td></td> <td></td> </tr> <tr> <td data-bbox="199 518 365 534">72-UnitCommunicationBack</td> <td></td> <td></td> </tr> <tr> <td data-bbox="199 542 281 558">73-UnitReset</td> <td></td> <td></td> </tr> <tr> <td data-bbox="199 566 323 583">74-UnitTamperActive</td> <td></td> <td></td> </tr> <tr> <td data-bbox="199 591 323 607">75-UnitTamperInactive</td> <td></td> <td></td> </tr> </tbody> </table>			States	Commands on OPC Item		State			71-UnitCommunicationLost			72-UnitCommunicationBack			73-UnitReset			74-UnitTamperActive			75-UnitTamperInactive		
States	Commands on OPC Item																						
State																							
71-UnitCommunicationLost																							
72-UnitCommunicationBack																							
73-UnitReset																							
74-UnitTamperActive																							
75-UnitTamperInactive																							

ID	Object Model	Description	States				Commands on OPC Item					
			Door Frame State	Latch State	Block State	Passback state	Reader 1 State	Reader 2 State (if not configured, always 0-NotConfigured)	19-Lock (Latch State)	20-Unlock (Latch State)	32-Block (Block State)	33- Unblock (Block State)
SIPASS-0030	AC Doorset	The Door object is the logical representation of the single/dual reader door										
			48-DoorClosed	112/69-OutputEnabled/Locked	109-DoorUnlocked	64-InputEnabled 68-FaultCleared	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal		X	X	
			63-InputDisabled	70-Unlocked	109-DoorUnlocked	63-InputDisabled	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	X		X	
			48-DoorClosed	111-OutputDisabled	108-DoorBlocked	63-InputDisabled	108-ReaderDisabled	108-ReaderDisabled				X
			50-DoorForced	112/69-OutputEnabled/Locked	109-DoorUnlocked	64-InputEnabled 62-InputPassbackTamper	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal		X	X	
			49-DoorHeld	112/69-OutputEnabled/Locked	109-DoorUnlocked	64-InputEnabled 62-InputPassbackTamper	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal		X	X	
			50-DoorForced	111-OutputDisabled	108-DoorBlocked	63-InputDisabled	108-ReaderDisabled	108-ReaderDisabled				X
			49-DoorHeld	111-OutputDisabled	108-DoorBlocked	63-InputDisabled	108-ReaderDisabled	108-ReaderDisabled				X
			48-DoorClosed	112/69-OutputEnabled/Locked	109-DoorUnlocked	62-InputPassbackTamper	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal		X	X	
			47-DoorTamper	112/69-OutputEnabled/Locked	109-DoorUnlocked	64-InputEnabled 62-InputPassbackTamper	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal	109-ReaderEnabled 30-ReaderOnLine 28-TamperNormal		X	X	
			47-DoorTamper	111-OutputDisabled	108-DoorBlocked	63-InputDisabled	108-ReaderDisabled	108-ReaderDisabled				X
			48-DoorClosed	112/69-OutputEnabled/Locked	109-DoorUnlocked	64-InputEnabled 68-FaultCleared	29-ReaderOffline 27-ReaderTamper	29-ReaderOffline 27-ReaderTamper		X	X	

ID	Object Model	Description																								
SIPASS-0040	AC Input	Physical Input																								
<table border="1"> <thead> <tr> <th data-bbox="491 352 533 365">States</th> <th colspan="2" data-bbox="932 352 1079 365">Commands on OPC Item</th> </tr> <tr> <th data-bbox="199 423 233 436">State</th> <th data-bbox="890 423 953 436">3-Enable</th> <th data-bbox="1058 423 1121 436">2-Disable</th> </tr> </thead> <tbody> <tr> <td data-bbox="199 493 296 506">46-PointNormal</td> <td></td> <td data-bbox="1089 493 1106 506">X</td> </tr> <tr> <td data-bbox="199 516 302 529">63-InputDisabled</td> <td data-bbox="911 516 928 529">X</td> <td></td> </tr> <tr> <td data-bbox="199 539 296 552">107-PointAlarm</td> <td></td> <td data-bbox="1089 539 1106 552">X</td> </tr> <tr> <td data-bbox="199 561 296 574">58-InputTamper</td> <td></td> <td data-bbox="1089 561 1106 574">X</td> </tr> <tr> <td data-bbox="199 584 312 597">117-InputUnsealed</td> <td></td> <td data-bbox="1089 584 1106 597">X</td> </tr> <tr> <td data-bbox="199 607 296 620">118-InputSealed</td> <td></td> <td data-bbox="1089 607 1106 620">X</td> </tr> </tbody> </table>			States	Commands on OPC Item		State	3-Enable	2-Disable	46-PointNormal		X	63-InputDisabled	X		107-PointAlarm		X	58-InputTamper		X	117-InputUnsealed		X	118-InputSealed		X
States	Commands on OPC Item																									
State	3-Enable	2-Disable																								
46-PointNormal		X																								
63-InputDisabled	X																									
107-PointAlarm		X																								
58-InputTamper		X																								
117-InputUnsealed		X																								
118-InputSealed		X																								

ID	Object Model	Description		
SIPASS-0050	AC Intrusion Area	Specific area configured as intrusion area		
State		Commands on OPC Item		
		37-Arm	39-Disarm	
		83-Armed		X
		84-Disarmed	X	
		85-IntrusionAreaAlarm	X	X
87-AreaArmingFailed		X		

ID	Object Model	Description	
SIPASS-0060	AC Output	Physical Output	
		States	Commands on OPC Item
	State	8-Secure	9-Unsecure
	69-Locked		X
	70-Unlocked	X	

ID	Object Model	Description
SIPASS-0070	AC Module	AC Module represents different types of boards (DRI, SRI, IPM, OPM...)
States		Commands on OPC Item
State		
3-Online		
2-CommunicationLost		

ID	Object Model	Description
SIPASS-0080	Sipass Server	AC Module is the main hardware access component
States		Commands on OPC Item
State	Login State	
3-Connected	201-Login Successful	
1-Disconnected 2-Trying 4-Lost 5-Failure	0-Not Logged In 400/404-Login Error 408-Timeout Request 500-LoginFailed 900-UnauthorizedAccess 902-SipassServiceNotAvailable 903/204-InternalServerError 905-InvalidTimeIntervalOfConnection 908-SessionExpired 909-InputNotValid 910-UserAlreadyLoggedIn 911-InvalidUsernameOrPassword 912-SipassAPILicenseNotAvailable	

ID	Object Model	Description
SIPASS-0090	AC Flag	Logic point.
States		Commands on OPC Item
State		46 - Activate
105-FlagTrue		47 - Deactivate
106-FlagFalse		X
		X

ID	Object Model	Description
SIPASS-00100	AC External Device	AC External Device is the main hardware access component for external subsystems connected to SiPass (i.e. SALT0)
		States
		Commands on OPC Item
		State
		129-Online
		130-Offline

ID	Object Model	Description
SIPASS-00110	AC External Point	AC External point is the logic representation for points connected through the external device
		States
		Commands on OPC Item
		State
		136 - Door Tamper
		137 - Door Online
		138 - Door Offline

Siemens Switzerland Ltd
Smart Infrastructure
Global Headquarters
Theilerstrasse 1a
CH-6300 Zug
+41 58 724 2424

www.siemens.com/buildingtechnologies

© Siemens Switzerland Ltd, 2012 - 2023
Technical specifications and availability subject to change without notice.