

# Instrumentation Tools

Totally Integrated Automation Portal					
<b>PLC_1 [CPU 1516-3 PN/DP]</b>					
<b>PLC_1</b>					
<b>General\Project information</b>					
<b>Name</b>	PLC_1	<b>Author</b>	Mmuhamed	<b>Comment</b>	
<b>Rack</b>	0	<b>Slot</b>	1		
<b>General\Catalog information</b>					
<b>Short designation</b>	CPU 1516-3 PN/DP	<b>Description</b>	CPU with display; work memory 1 MB code and 5 MB data; 10 ns bit operation time; 4-stage protection concept, technology functions: motion control, closed-loop control, counting and measuring; tracing; Runtime options; isochronous mode (central); for all PROFINET interfaces: transport protocol TCP/IP, secure Open User Communication, S7 communication, S7 routing, IP forwarding, Web server, DNS client, OPC UA: Server DA, Client DA, methods, companion specifications; 1st interface: PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-Device, MRP, MRPD, isochronous mode; 2nd interface: PROFINET IO controller, supports RT, I-Device; 3rd interface: PROFIBUS DP Master, S7 communication, isochronous mode, S7 routing; firmware V2.8	<b>Article number</b>	6ES7 516-3AN02-0AB0
<b>Firmware version</b>	V2.8				
<b>General\Identification &amp; Maintenance</b>					
<b>Plant designation</b>		<b>Location identifier</b>		<b>Installation date</b>	2023-12-19 08:09:18.843
<b>Additional information</b>					
<b>General\Checksums</b>					
<b>Text lists</b>	FA 70 E8 75 1D 5A 8E 29	<b>Software</b>	A0 B5 9A F5 21 1F 4C 8C		
<b>Connection resources\</b>					
	<b>Station resources - Reserved - Maximum</b>	<b>Station resources - Reserved - Configured</b>	<b>Station resources - Dynamic - Configured</b>	<b>Module resources - PLC_1 [CPU 1516-3 PN/DP] - Configured</b>	
Maximum number of resources:		10	118	128	
	Maximum	Configured	Configured	Configured	
PG communication:	4	-	-	-	
HMI communication:	4	0	0	0	
S7 communication:	0	-	0	0	
Open user communication:	0	-	0	0	
Web communication:	2	-	-	-	
OPC UA client/server communication:	0	-	-	-	
Other communication:	-	-	0	0	
Total resources used:		0	0	0	
Available resources:		10	118	128	
<b>Overview of addresses\Overview of addresses\Overview of addresses</b>					
<b>Inputs</b>	True	<b>Outputs</b>	True	<b>Address gaps</b>	False
<b>Slot</b>	True				

PLC\_1 [CPU 1516-3 PN/DP]

**Software units**

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / Program blocks

### Main [OB1]

#### Main Properties

##### General

<b>Name</b>	Main	<b>Number</b>	1	<b>Type</b>	OB	<b>Language</b>	LAD
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<b>Numbering</b>	Automatic
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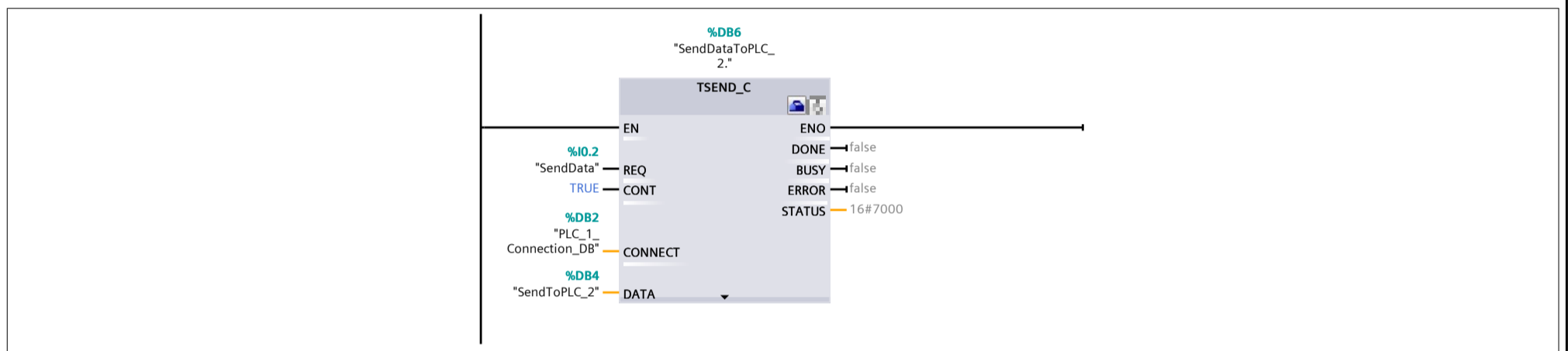
##### Information

<b>Title</b>	"Main Program Sweep (Cycle)"	<b>Author</b>		<b>Comment</b>		<b>Family</b>	
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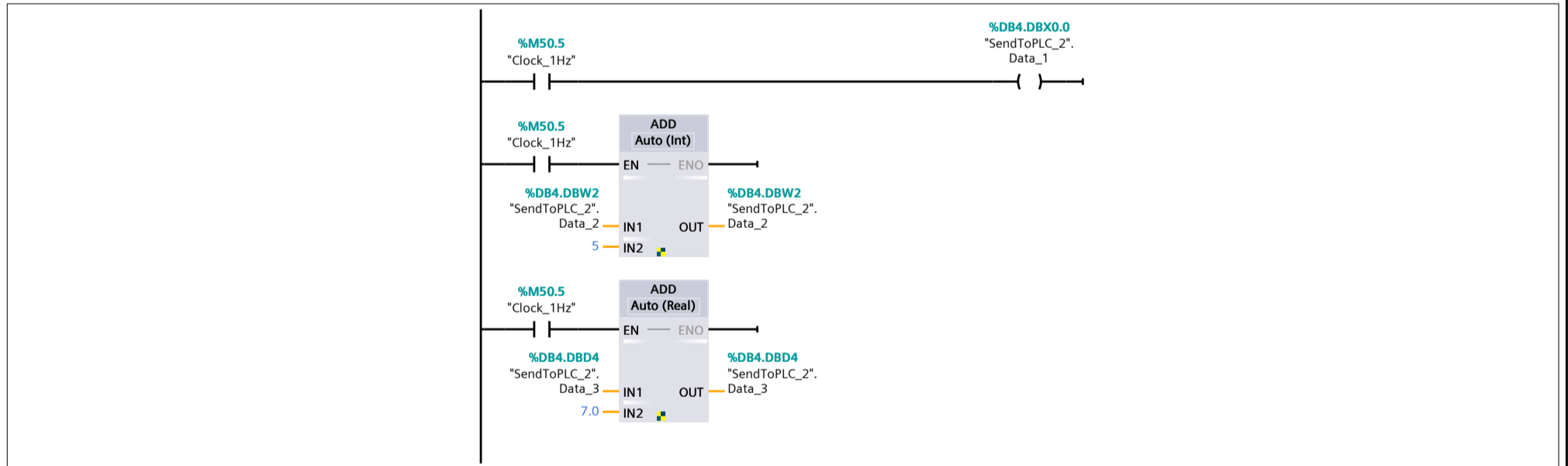
<b>Version</b>	0.1	<b>User-defined ID</b>	
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Name	Data type	Default value
▼ Input		
Initial_Call	Bool	
Remanence	Bool	
Temp		
Constant		

#### Network 1:



#### Network 2: simple logic for making the data send to PLC\_2 change its values automatically



## PLC\_1 [CPU 1516-3 PN/DP] / Program blocks

### SendToPLC\_2 [DB4]

#### SendToPLC\_2 Properties

##### General

<b>Name</b>	SendToPLC_2	<b>Number</b>	4	<b>Type</b>	DB	<b>Language</b>	DB
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<b>Numbering</b>	Automatic
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##### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>		<b>Family</b>	
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<b>Version</b>	0.1	<b>User-defined ID</b>	
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Name	Data type	Start value	Retain
▼ Static			
Data_1	Bool	false	False
Data_2	Int	0	False
Data_3	Real	0.0	False

PLC\_1 [CPU 1516-3 PN/DP] / Program blocks / System blocks / Program resources

PLC\_1\_Connection\_DB [DB2]

PLC\_1\_Connection\_DB Properties

General

<b>Name</b>	PLC_1_Connection_DB	<b>Number</b>	2	<b>Type</b>	DB	<b>Language</b>	DB
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<b>Numbering</b>	Automatic
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Information

<b>Title</b>		<b>Author</b>	SIMATIC	<b>Comment</b>		<b>Family</b>	MC7Plus
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<b>Version</b>	1.0	<b>User-defined ID</b>	TC_IP_v4
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Name	Data type	Start value	Retain
▼ Static			
In terfaceld	HW_ANY	64	False
ID	CONN_OUC	1	False
ConnectionType	Byte	16#0B	False
ActiveEstablished	Bool	true	False
RemoteAddress	IP_V4		False
RemotePort	UInt	2000	False
LocalPort	UInt	0	False

## PLC\_1 [CPU 1516-3 PN/DP] / Program blocks / System blocks / Program resources

### TSEND\_C [FB1030]

#### TSEND\_C Properties

##### General

<b>Name</b>	TSEND_C	<b>Number</b>	1030	<b>Type</b>	FB	<b>Language</b>	SCL
<b>Numbering</b>	Automatic						

##### Information

<b>Title</b>	Sending data over Ethernet (native TCP or UDT)	<b>Author</b>	Simatic	<b>Comment</b>		<b>Family</b>	COMM
<b>Version</b>	2.2	<b>User-defined ID</b>					

Name	Data type	Default value	Retain
▼ Input			
REQ	Bool	false	Non-retain
CONT	Bool	false	Non-retain
LEN	UDInt	0	Non-retain
▼ Output			
DONE	Bool	false	Non-retain
BUSY	Bool	false	Non-retain
ERROR	Bool	false	Non-retain
STATUS	Word	16#7000	Non-retain
▼ InOut			
CONNECT	Variant		
DATA	Variant		
ADDR	Variant		
COM_RST	Bool	false	Non-retain
▼ Static			
s_state	Int	0	Non-retain
s_locked	Bool	false	Non-retain
s_udp	Bool	false	Non-retain
s_configured	Bool	false	Non-retain
s_tcon_80A3	Bool	false	Non-retain
s_REQ	Bool	false	Non-retain
s_ConID	CONN_OUC	16#0	Non-retain
s_TCON	TCON		
s_TDIAG	T_DIAG		
s_TDIAG_Status	TDIAG_Status		Non-retain
s_TDISCON	TDISCON		
s_TSEND	TSEND		
s_TUSEND	TUSEND		
s_TRESET	T_RESET		

## PLC\_1 [CPU 1516-3 PN/DP] / Program blocks / System blocks / Program resources

### SendDataToPLC\_2. [DB6]

#### SendDataToPLC\_2. Properties

##### General

<b>Name</b>	SendDataToPLC_2.	<b>Number</b>	6	<b>Type</b>	DB	<b>Language</b>	DB
<b>Numbering</b>	Automatic						

##### Information

<b>Title</b>		<b>Author</b>	Simatic	<b>Comment</b>		<b>Family</b>	COMM
<b>Version</b>	2.2	<b>User-defined ID</b>					

Name	Data type	Start value	Retain
▼ Input			
REQ	Bool	false	False
CONT	Bool	false	False
LEN	UDInt	0	False
▼ Output			
DONE	Bool	false	False
BUSY	Bool	false	False
ERROR	Bool	false	False
STATUS	Word	16#7000	False
▼ InOut			
CONNECT	Variant		False
DATA	Variant		False
ADDR	Variant		False
COM_RST	Bool	false	False
▼ Static			
s_state	Int	0	False
s_locked	Bool	false	False
s_udp	Bool	false	False
s_configured	Bool	false	False
s_tcon_80A3	Bool	false	False
s_REQ	Bool	false	False
s_ConID	CONN_OUC	16#0	False
s_TCON	TCON		False
s_TDIAG	T_DIAG		False
s_TDIAG_Status	TDiag_Status		False
s_TDISCON	TDISCON		False
s_TSEND	TSEND		False
s_TUSEND	TUSEND		False
s_TRESET	T_RESET		False

## PLC\_1 [CPU 1516-3 PN/DP]













### Technology objects

This folder is empty.















## PLC\_1 [CPU 1516-3 PN/DP]

### PLC tags

PLC tags			
Icon	Name	Data type	Address
	Clock_0.5Hz	Bool	%M50.7
	Clock_0.625Hz	Bool	%M50.6
	Clock_1.25Hz	Bool	%M50.4
	Clock_1Hz	Bool	%M50.5
	Clock_2.5Hz	Bool	%M50.2
	Clock_2Hz	Bool	%M50.3
	Clock_5Hz	Bool	%M50.1
	Clock_10Hz	Bool	%M50.0
	Clock_Byte	Byte	%MB50
	Disconnect	Bool	%I0.1
	SendData	Bool	%I0.2
	StartConnection	Bool	%I0.0

## PLC\_1 [CPU 1516-3 PN/DP] / PLC tags

### Default tag table [61]

PLC tags			
Icon	Name	Data type	Address
	Clock_0.5Hz	Bool	%M50.7
	Clock_0.625Hz	Bool	%M50.6
	Clock_1.25Hz	Bool	%M50.4
	Clock_1Hz	Bool	%M50.5
	Clock_2.5Hz	Bool	%M50.2
	Clock_2Hz	Bool	%M50.3
	Clock_5Hz	Bool	%M50.1
	Clock_10Hz	Bool	%M50.0
	Clock_Byte	Byte	%MB50
	Disconnect	Bool	%I0.1
	SendData	Bool	%I0.2
	StartConnection	Bool	%I0.0

## PLC\_1 [CPU 1516-3 PN/DP] / PLC data types

### System data types

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / Watch and force tables

### Force table

Name	Address	Display format	Force value
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PLC\_1 [CPU 1516-3 PN/DP]

## Traces

Name

## PLC\_1 [CPU 1516-3 PN/DP] / Traces

### Measurements

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / Traces

### Combined measurements

Name

## PLC\_1 [CPU 1516-3 PN/DP] / OPC UA communication

### Server interfaces

This folder is empty.



## PLC\_1 [CPU 1516-3 PN/DP] / OPC UA communication

### Client interfaces

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / PLC supervisions & alarms

### Supervisions

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / PLC supervisions & alarms

### PLC alarms




























PLC alarms					
Name	Type	ID	Alarm text	Info text	Information only

# Instrumentation Tools


























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## PLC\_1 [CPU 1516-3 PN/DP] / PLC supervisions & alarms

### System alarms

System alarms					
Name	Type	ID	Alarm text	Info text	Information only
 SDIAG_AL-CAT_SUBMO-DUL_MSG_0002	PLC alarm	1	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_MOD-UL_MSG_0003	PLC alarm	2	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_RACK_MSG_0004	PLC alarm	3	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_DE-VICE_MSG_0005	PLC alarm	4	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_IOSYS-TEM_MSG_0006	PLC alarm	5	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_OST_MSG_000D	PLC alarm	6	CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_IN-FO_MSG_000F	PLC alarm	7	CPU info: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_ERR_M SG_0010	PLC alarm	8	CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_MD_M SG_0011	PLC alarm	9	CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_MR_M SG1_0012	PLC alarm	10	CPU maintenance required: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CPU_TMPER R_MSG_0013	PLC alarm	11	Temporary CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CH_ERR_MS G_0015	PLC alarm	12	Error: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ECH_ERR_M SG_0016	PLC alarm	13	Error: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CH_MD_MS G_0018	PLC alarm	14	Maintenance demanded:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ECH_MD_M SG_0019	PLC alarm	15	Maintenance demanded:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CH_MR_MS G_001B	PLC alarm	16	Maintenance required:@1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ECH_MR_M SG_001C	PLC alarm	17	Maintenance required:@1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_SUB_ERR_M SG_001E	PLC alarm	18	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ESUB_ERR_M SG_001F	PLC alarm	19	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_SUB_MD_M SG_0021	PLC alarm	20	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ESUB_MD_M SG_0022	PLC alarm	21	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_SUB_MR_M SG_0024	PLC alarm	22	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_ESUB_MR_M SG_0025	PLC alarm	23	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CONFIG_IN-FO_0028	PLC alarm	24	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_CONFIG_RE-PORT_0029	PLC alarm	25	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_SE-CU_EV_MSG_005E	PLC alarm	26	Security event: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True
 SDIAG_AL-CAT_SE-CU_EV_IN-FO_005F	PLC alarm	27	Security information: @1W%t#7W@ @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True

# Instrumentation Tools

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Name	Type	ID	Alarm text	Info text	Information only	
 SDIAG_AL-CAT_USER_MSG_0080	PLC alarm	28	User message: @1W%t#2W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True	
 SDIAG_AL-CAT_PLC_MSG_0OFF	PLC alarm	29	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	True	
 SDIAG_AL-CAT_SUBMO-DUL_MSG_0102	PLC alarm	30	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_MOD-UL_MSG_0103	PLC alarm	31	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_RACK_MSG_0104	PLC alarm	32	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_DE-VICE_MSG_0105	PLC alarm	33	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_IOSYS-TEM_MSG_0106	PLC alarm	34	Error: @1W%t#7W@ @5W%t#7W@ @6W%t#276K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CPU_OST_MSG_010D	PLC alarm	35	CPU status message: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CPU_ERR_M SG_0110	PLC alarm	36	CPU error: @1W%t#7W@ @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CPU_MD_M SG_0111	PLC alarm	37	CPU maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CPU_MR_M SG1_0112	PLC alarm	38	CPU maintenance required: @1W%t#7W@ @6W%t#257K@ / @5W%t#7W@ @6W%t#258K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CH_ERR_M SG_0115	PLC alarm	39	Error: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ECH_ERR_M SG_0116	PLC alarm	40	Error: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CH_MD_M SG_0118	PLC alarm	41	Maintenance demanded: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ECH_MD_M SG_0119	PLC alarm	42	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CH_MR_M SG_011B	PLC alarm	43	Maintenance required: @1W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ECH_MR_M SG_011C	PLC alarm	44	Maintenance required: @1W%t#7W@ - @5W%t#7W@ on @8W%t#280K@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_SUB_ERR_M SG_011E	PLC alarm	45	Error: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ESUB_ERR_M SG_011F	PLC alarm	46	Error: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_SUB_MD_M SG_0121	PLC alarm	47	Maintenance demanded: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ESUB_MD_M SG_0122	PLC alarm	48	Maintenance demanded: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_SUB_MR_M SG_0124	PLC alarm	49	Maintenance required: @1W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_ESUB_MR_M SG_0125	PLC alarm	50	Maintenance required: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ / @6W%t#258K@.@6W%t#259K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_CONFIG_IN-FO_0128	PLC alarm	51	Info: @1W%t#7W@ - @5W%t#7W@ @6W%t#257K@ @6W%t#262K@ @6W%t#263K@ @8W%t#7W@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	
 SDIAG_AL-CAT_PLC_MSG_01FF	PLC alarm	52	PLC notification: @1W%t#7W@ @5W%t#7W@ @6W%t#256K@ @6W%t#262K@ @6W%t#263K@	Short name: @6W%t#260K@ Order number: @6W%t#265K@	False	

PLC\_1 [CPU 1516-3 PN/DP]

PLC alarm text lists

This folder is empty.

## PLC\_1 [CPU 1516-3 PN/DP] / Local modules

### PLC\_1 [CPU 1516-3 PN/DP]

#### PLC\_1

##### General\Project information

<b>Name</b>	PLC_1	<b>Author</b>	Mmuhamed	<b>Comment</b>	
<b>Rack</b>	0	<b>Slot</b>	1		

##### General\Catalog information

<b>Short designation</b>	CPU 1516-3 PN/DP	<b>Description</b>	CPU with display; work memory 1 MB code and 5 MB data; 10 ns bit operation time; 4-stage protection concept, technology functions: motion control, closed-loop control, counting and measuring; tracing; Runtime options; isochronous mode (central); for all PROFINET interfaces: transport protocol TCP/IP, secure Open User Communication, S7 communication, S7 routing, IP forwarding, Web server, DNS client, OPC UA: Server DA, Client DA, methods, companion specifications; 1st interface: PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-Device, MRP, MRPD, isochronous mode; 2nd interface: PROFINET IO controller, supports RT, I-Device; 3rd interface: PROFIBUS DP Master, S7 communication, isochronous mode, S7 routing; firmware V2.8	<b>Article number</b>	6ES7 516-3AN02-0AB0
<b>Firmware version</b>	V2.8				

##### General\Identification & Maintenance

<b>Plant designation</b>	<b>Location identifier</b>	<b>Installation date</b>	2023-12-19 08:09:18.843
<b>Additional information</b>			

##### General\Checksums

<b>Text lists</b>	FA 70 E8 75 1D 5A 8E 29	<b>Software</b>	A0 B5 9A F5 21 1F 4C 8C
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##### Connection resources\

	Station resources - Reserved - Maximum	Station resources - Reserved - Configured	Station resources - Dynamic - Configured	Module resources - PLC_1 [CPU 1516-3 PN/DP] - Configured
Maximum number of resources:	10	10	118	128
	Maximum	Configured	Configured	Configured
PG communication:	4	-	-	-
HMI communication:	4	0	0	0
S7 communication:	0	-	0	0
Open user communication:	0	-	0	0
Web communication:	2	-	-	-
OPC UA client/server communication:	0	-	-	-
Other communication:	-	-	0	0
Total resources used:	0	0	0	0
Available resources:	10	10	118	128

##### Overview of addresses\Overview of addresses\Overview of addresses

<b>Inputs</b>	True	<b>Outputs</b>	True	<b>Address gaps</b>	False
<b>Slot</b>	True				