

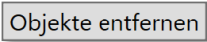
BACeye Erweiterungen  
für BACnet/SC  
HANDBUCH

## Inhaltsverzeichnis

1	Einleitung.....	3
2	Sicherheit.....	6
3	Einordnung und Einsatzzweck.....	7
4	Netzwerkconfiguration.....	8
5	Erstellen von Snapshots.....	10
6	Beispiele mit BACnet Rev. 22 fähigen Geräten .....	11
7	Produktunterstützung.....	36

# 1 Einleitung

## Verwendete Schreibweisen und Symbole

Hinweis	
<p>Folgende Schreibweisen und Darstellungen werden in dieser Anleitung verwendet.</p>	
<p>&lt;Schaltflächen&gt;</p>	<p>Für Schaltflächen die im fließenden Text genannt werden müssen, wird die Schreibweise &lt;Schaltfläche&gt; verwendet.</p>
	<p>An geeigneter Stelle werden für Schaltflächen auch grafische Symbole verwendet.</p>
<p>Netzwerkbefehle, Datei- und Produktnamen sowie Menüeinträge</p>	<p>Netzwerkbefehle wie z.B. <i>tracert</i> oder <i>ping</i> werden kursiv geschrieben. Datei- und Produktnamen ebenfalls.</p>
<p>Menübezeichnungen und -pfade</p>	<p>Menüfunktionen werden in der Form: MAIN MENU / SUBMENU / ... lokalisiert.</p>
<p>Screenshots</p>	<p>Die verwendeten Abbildungen zeigen die Software unter einer Microsoft Windows 10 Installation.</p>

### Lizenzierung

Für die Lizenzierung wird ein **Produktschlüssel** benötigt, der mit dem Kauf der Software bereitgestellt wird.

### Urheberschutz

Dieses Dokument ist urheberrechtlich geschützt. Jede Vervielfältigung, jeder Nachdruck, auch auszugsweise, sowie die Wiedergabe der Abbildungen, auch im veränderten Zustand, ist nur mit schriftlicher Zustimmung des Herstellers gestattet.

- Gewährleistung** Diese Anleitung ist vor der Nutzung der Software sorgfältig zu lesen. Ein Gewährleistungsanspruch verfällt, wenn die Software von dafür nicht ausgebildetem Personal installiert, konfiguriert und genutzt wird.
- Haftungsbeschränkung** Alle Angaben und Hinweise in dieser Anleitung wurden unter Berücksichtigung geltender Normen und Vorschriften, des Stands der Technik sowie der langjährigen Erkenntnisse und Erfahrungen des Herstellers zusammengestellt. Der Hersteller übernimmt keine Haftung für mittelbare und unmittelbare Schäden aufgrund von:
- nicht beachten dieser Anleitung
  - nicht bestimmungsgemäßer Verwendung
  - Einsatz von dafür nicht ausgebildetem Personal
  - Schäden durch fehlerhafte Installation und Konfiguration
  - eigenmächtiger Veränderung der Software
- Es gelten die im Liefervertrag vereinbarten Verpflichtungen, die Allgemeinen Geschäftsbedingungen sowie die Lieferbedingungen des Herstellers und die zum Zeitpunkt des Vertragsabschlusses gültigen gesetzlichen Regelungen.
- Eingetragene  
Warenzeichen** In dieser Anleitung werden Warenzeichen und Produktbezeichnungen verschiedener Firmen verwendet. Diese Bezeichnungen sind eingetragene Warenzeichen der jeweiligen Hersteller und werden in dieser Anleitung nicht gesondert aufgeführt:
- Microsoft Windows®*  
ist eingetragenes Warenzeichen der Microsoft Corporation.
- BACnet und ASHRAE®*  
sind eingetragene Warenzeichen der American Society of Heating, Refrigerating and Air-Conditioning Engineers, INC. (ASHRAE).



<b>Zielgruppe</b>	Diese Anleitung richtet sich an Fachpersonal welches mit der Netzwerkkonfiguration in Ethernet, BACnet/SC vertraut ist.
<b>Bestimmungsgemäßer Gebrauch</b>	BACeye/SC ist ausschließlich als Netzwerk-Explorer in BACnet Netzwerken vorgesehen.

## 2 Sicherheit

### Allgemein

Von der Software an sich gehen keine direkten Gefahren aus. Allerdings ist sie durch den Einsatz in BACnet Netzwerken in der Lage, das Zusammenwirken von Netzwerkkomponenten empfindlich zu stören.



### Warnung

#### **Fehlkonfiguration von Hard- und Software!**

Durch fehlerhafte Konfiguration von Hard- und Software können an Netzwerkkomponenten, Sensoren oder Aktoren Fehlfunktionen in der Gebäudeinfrastruktur auftreten, wie **zum Beispiel**:

- Überwachungseinrichtung (wie BMA, EMA oder ÜMA) werden deaktiviert,
- Maschinen und Lüfter laufen unerwartet an,
- Schieber und Ventile öffnen oder schließen unbeabsichtigt.

Das kann unter Umständen zu schweren Verletzungen oder zum Tod von Personen führen. Die Nutzung der Software sollte deshalb nur von Fachpersonal vorgenommen werden, welches mit der Netzwerkkonfiguration in Ethernet, BACnet und andere Feldbussystemen vertraut ist!

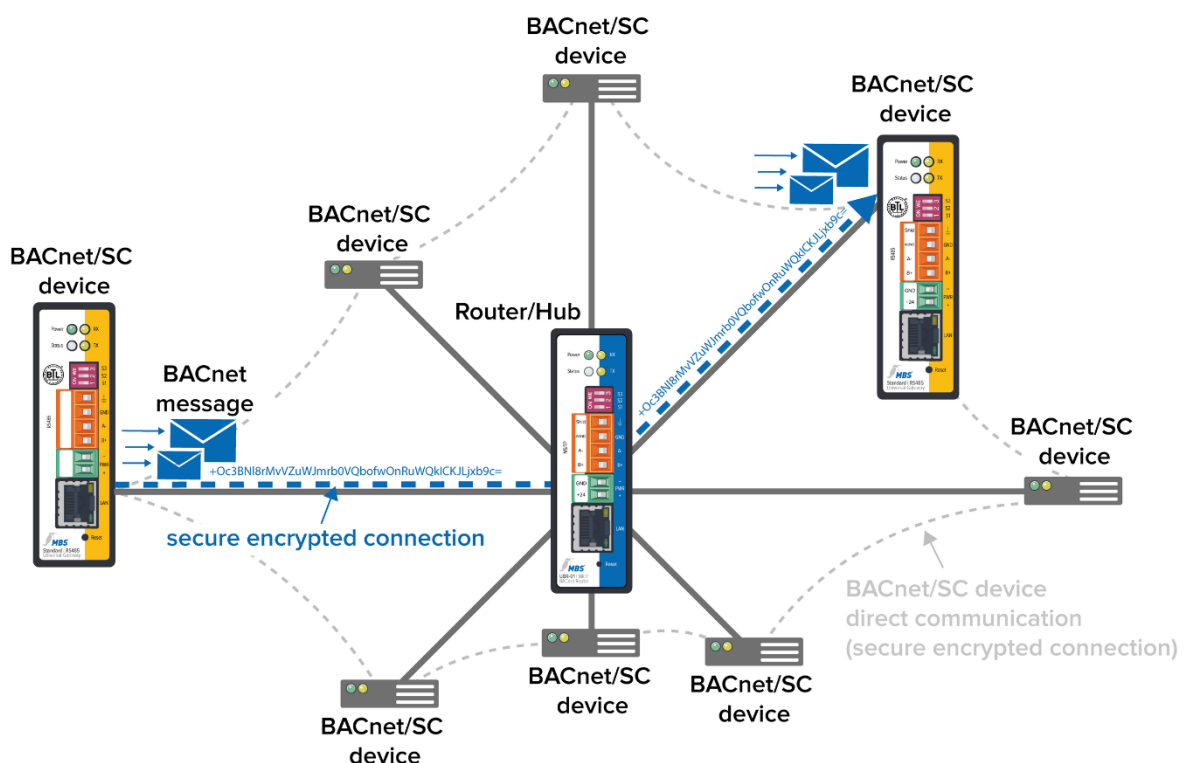
### 3 Einordnung und Einsatzzweck

**Einordnung** BACeye/SC arbeitet auf windowsbasierten Hardwareplattformen als Netzwerk-Explorer.

**Einsatzzweck** BACeye/SC wird als Netzwerk-Explorer für BACnet Netzwerke eingesetzt und kann lesend und schreibend das Verhalten von Geräten in diesen Netzen darstellen und beeinflussen.

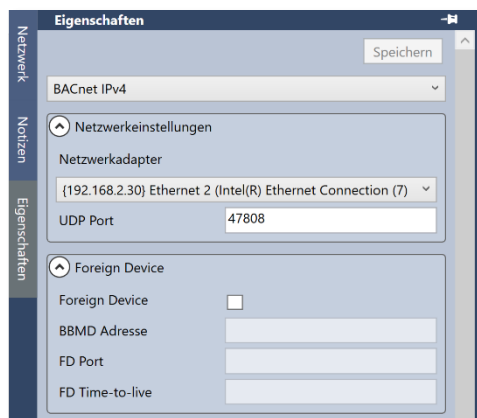
**BACnet/SC Erweiterungen** BACeye/SC unterstützt auch den Standard für BACnet Secure Connect. BACeye/SC kann damit BACnet Komponenten visualisieren und steuern, die BACnet bis **Revision 22** unterstützen.

#### Schematischer Aufbau eines typischen BACnet/SC Netzwerkes

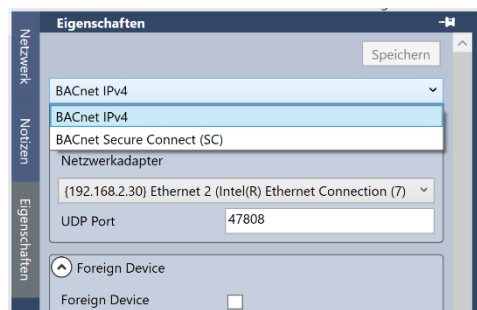


## 4 Netzwerkkonfiguration

Um BACeye in BACnet/SC Umgebungen zu betreiben, muss zunächst die Netzwerkverbindung entsprechend konfiguriert werden. Im Register <Eigenschaften> sind folgende Einstellungen vorzunehmen.



Zuerst muss der entsprechende Netzwerkadapter ausgewählt werden.



Danach kann die Konfiguration von BACnet IPv4 auf <BACnet Secure Connect> umgestellt werden.

Damit werden die folgenden Konfigurationsparameter für BACnet/SC zugänglich.



**Eigenschaften** Speichern

BACnet Secure Connect (SC)

Netzwerkeinstellungen

Virtuelle MAC Adresse

Primäre Hub-URI

Failover Hub-URI

CA-Zertifikat

Zertifikat

Privater Schlüssel

Intervall zur Verbindungsprüf. (sec)  30-300

Verbindungs-Timeout (sec)  5-300

Verbindungs-Pause (sec)  2-300

Verbindungsversuche  1-50

Maximale Verbindungsdauer (sec)  10-2880

Aktiviere Websocket Ping

Akzeptiere selbstsignierte Zertifikate

Akzeptiere ungültige Hostnamen

Akzeptiere abgelaufene Zertifikate

Akzeptiere SSL v2 Verbindungen

Akzeptiere SSL v3 Verbindungen

Akzeptiere TLS 1.0 Verbindungen

Akzeptiere TLS 1.1 Verbindungen

Akzeptiere TLS 1.2 Verbindungen

Akzeptiere jedes Server Zertifikat

Akzeptiere jedes Client Zertifikat

Server prüft Client Zertifikate

weniger...

## Secure Connect Konfigurationsparameter

Virtuelle MAC Adresse:  
z.B. 00-80-41-ae-fd-7e

Primäre Hub-URL:  
z.B.

Failover HUB-URL  
z.B.

CA-Zertifikat  
z.B. Zertifikat einer Certificate Authority

Zertifikat  
z.B. internes Zertifikat der Organisation

Privater Schlüssel  
z.B.

Intervall zur Verbindungsprüfung (30-300)  
z.B. 30 sec (default)

Verbindungs-Timeout (5-300)  
z.B. 10 sec (default)

Verbindungspause (2-300)  
z.B. 5 (default)

Verbindungsversuche (1-50)  
z.B. 5 (default)

Maximale Verbindungsdauer (10-2880)  
z.B. 2880 sec (default)

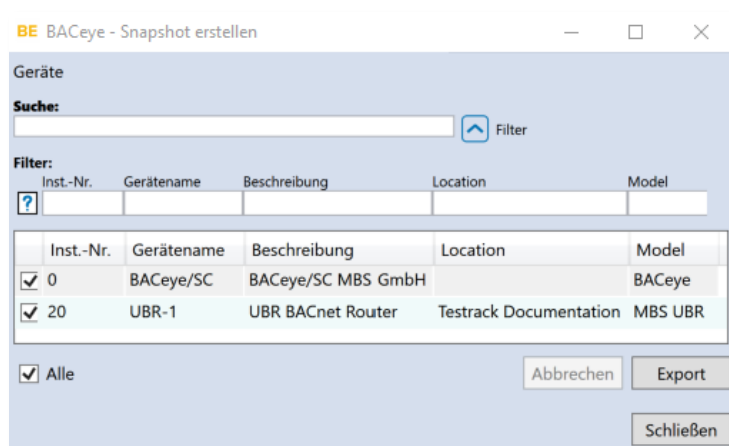
## 5 Erstellen von Snapshots

### Allgemein

BACeye/SC bietet zusätzlich zu den bisherigen Exportfunktionen von BACeye, nun auch die Möglichkeit Snapshots von Datenpunkten der Geräte im Netzwerk anzufertigen und als XML-Datei zu exportieren.

### Snapshot exportieren

Über die Menüpunkte DATENTRANSFER / SNAPSHOT... wird das Auswahlfenster aufgerufen.



Mit <Export> erfolgt die Auswahl des Ablageplatzes und die Benennung der XML-Datei.

Mit <Speichern> beginnt der Export des Snapshot in eine XML-Datei.

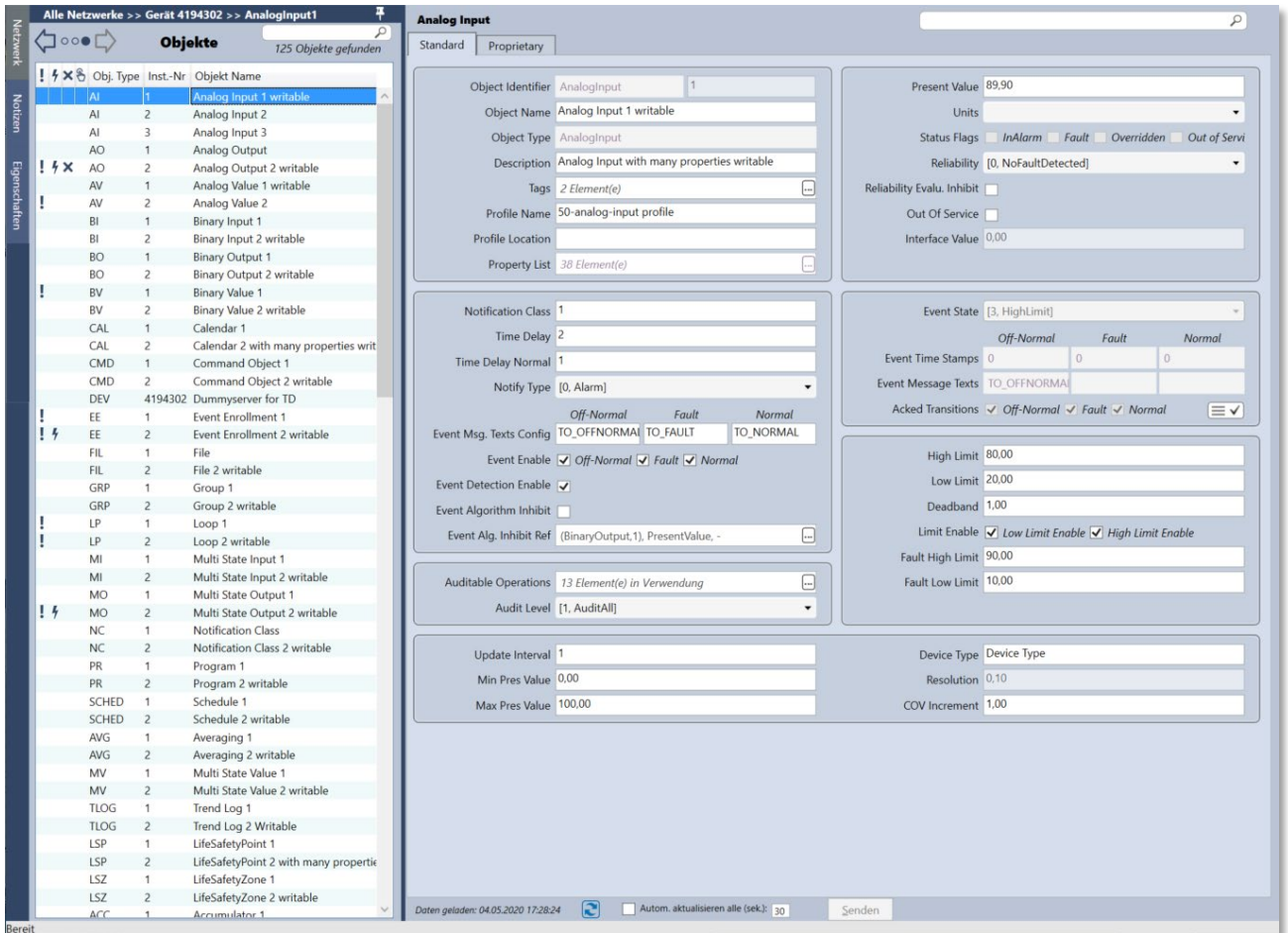
### Auszug aus einer exportierten XML-Datei

```
<?xml version="1.0" encoding="utf-8"?>
<BACeye.Snapshot Version="3.0.0.3" ExpectedVersion="2.0.3.25"
Id="6c5b0b3e-dbcf-4ae1-b1d0-08815270c0eb" Timestamp="23/12/2020
16:12:20">
<Snapshot.Devices>
  <Device Number="0" Name="BACeye/SC" Address="(0) C0A8021EBAC0">
    <Device.Objects>
      <Object Number="0" Type="Device" Name="BACeye/SC">
...

```

## 6 Darstellungsbeispiele mit BACnet Rev. 22 fähigen Geräten

### Object Type Analog Input



The screenshot displays the configuration interface for an Analog Input object in the MBS software. The interface is divided into several sections:

- Object List (Objekte):** A table listing various object types and their names. The selected object is "Analog Input 1 writable" (Inst.-Nr: 1).
- Object Properties (Analog Input):**
  - Object Identifier:** AnalogInput 1
  - Object Name:** Analog Input 1 writable
  - Object Type:** AnalogInput
  - Description:** Analog Input with many properties writable
  - Tags:** 2 Element(e)
  - Profile Name:** 50-analog-input-profile
  - Profile Location:**
  - Property List:** 38 Element(e)
- Present Value:** 89.90
- Status Flags:** InAlarm, Fault, Overridden, Out of Servi
- Reliability:** [0, NoFaultDetected]
- Reliability Evalu. Inhibit:**
- Out Of Service:**
- Interface Value:** 0,00
- Event State:** [3, HighLimit]
- Event Time Stamps:** 0 (Off-Normal), 0 (Fault), 0 (Normal)
- Event Message Texts:** TO\_OFFNORMA
- Acked Transitions:**  Off-Normal,  Fault,  Normal
- High Limit:** 80,00
- Low Limit:** 20,00
- Deadband:** 1,00
- Limit Enable:**  Low Limit Enable,  High Limit Enable
- Fault High Limit:** 90,00
- Fault Low Limit:** 10,00
- Auditable Operations:** 13 Element(e) in Verwendung
- Audit Level:** [1, AuditAll]
- Update Interval:** 1
- Min Pres Value:** 0,00
- Max Pres Value:** 100,00
- Device Type:** Device Type
- Resolution:** 0,10
- COV Increment:** 1,00

## Object Type Analog Output

Alle Netzwerke >> Gerät 4194302 >> AnalogOutput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

### Analog Output

Standard Proprietary

Object Identifier: AnalogOutput 2

Object Name: Analog Output 2 writable

Object Type: AnalogOutput

Description: Analog Output many properties writable

Tags: 2 Element(e)

Profile Name: 50-analog-output profile

Profile Location:

Property List: 43 Element(e)

Present Value: 30,00

Units: [98, Percent]

Status Flags: InAlarm Fault Overridden Out of Servi

Reliability: [5, ShortedLoop]

Reliability Evalu. Inhibit

Out Of Service

Interface Value: 0,00

Event State: [1, Fault]

Event Time Stamps: Off-Normal Fault Normal

Event Message Texts: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Acked Transitions: Off-Normal Fault Normal

High Limit: 80,00

Low Limit: 20,00

Deadband: 1,00

Limit Enable Low Limit Enable High Limit Enable

Value Source: [0] 0AFADA1D8B10

Last Command Time: (Monday,25-November-2019),09:27:59.00

Auditable Operations: 12 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Audit Priority Filter: 3 Element(e) in Verwendung

Min Pres Value: 0,00

Max Pres Value: 100,00

Device Type: Device Type

Resolution: 0,10

COV Increment: 1,50

Priority Array: 3 Element(e) in Verwendung

Relinquish Default: 50,00

Current Command Prio: 3

Value Source Array: 2 Element(e) in Verwendung

Command Time Array: 2 Element(e) in Verwendung

Kommandieren

Daten geladen: 04.05.2020 17:29:06 Autom. aktualisieren alle (sek.): 30 Senden Write Priority [8, ManualOperator (8)]

## Object Type Audit Log

Alle Netzwerke >> Gerät 4194302 >> AuditLog2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Audit Log**

Standard Proprietary

Object Identifier: AuditLog 2

Object Name: Audit Log 2 Writable

Object Type: AuditLog

Description: Audit Log 2 writable

Tags: 0 Element(e)

Profile Name: 50-audit-log profile

Profile Location:

Property List: 26 Element(e)

---

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

---

Notification Class: 1

Notify Type: [1, Event]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

---

Auditable Operations: 15 Element(e) in Verwendung

Audit Level: [3, Default]

---

Event State: [0, Normal]

Event Time Stamps: 0 (Thursday,17-Oct) (Wednesday,18-Oct)

Event Message Texts: TO\_FAULT TO\_NORMAL

Acked Transitions:  Off-Normal  Fault  Normal

---

Enable:

Member Of: 4194302, (Device,4194302)

Delete On Forward:

Issue Confr. Notifications:

Buffer Size: 1000

Record Count: 1000

Total Record Count: 278546

Daten geladen: 04.05.2020 17:49:22 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Audit Reporter (AREP)

Alle Netzwerke >> Gerät 4194302 >> AuditReporter2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Audit Reporter**

Standard Proprietary

Object Identifier: AuditReporter 2

Object Name: Audit Reporter 2 Writable

Object Type: AuditReporter

Description: Audit Reporting 2 writable

Tags: 0 Element(e)

Profile Name: 50-audit-reporter profile

Profile Location:

Property List: 24 Element(e)

---

Notification Class: 2

Notify Type: [1, Event]

Event Msg. Texts Config: TO\_OFFNORMA TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Audit Priority Filter: 2 Element(e) in Verwendung

---

Send Now:

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

---

Event State: [0, Normal]

	Off-Normal	Fault	Normal
Event Time Stamps	0	0	0
Event Message Texts			

Acked Transitions:  Off-Normal  Fault  Normal

---

Audit Source Reporter:

Issue Confr. Notifications:

Monitored Objects: ([1] (analog-value.2),[1] (binary-value.2))

Maximum Send Delay: 10

Daten geladen: 04.05.2020 17:50:08 Autom. aktualisieren alle (sek.): 30 Senden



## Object Type Binary Input (BI)

Alle Netzwerke >> Gerät 4194302 >> BinaryInput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

### Binary Input

Standard Proprietary

Object Identifier: BinaryInput 2

Object Name: Binary Input 2 writable

Object Type: BinaryInput

Description: Binary Input with many properties writable

Tags: 0 Element(e)

Profile Name: 50-binary-input profile

Profile Location:

Property List: 35 Element(e)

Present Value: [0, Aus]

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

Inactive Text: Aus

Active Text: Ein

Interface Value: [1, Ein]

Event State: [0, Normal]

Event Time Stamps: 

Off-Normal	Fault	Normal
0	0	0

Event Message Texts:

Acked Transitions:  Off-Normal  Fault  Normal

Alarm Value: [1, Ein]

Polarity: [0, Normal]

Device Type: Device Type

Elapsed Active Time: 10

Time Active Time Reset: 13.12.2012 Donnerstag / 23:22:17.68

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Change State Time: 14.11.2019 Donnerstag / 12:18:11.00

Change State Count: 47

Time State Count Reset: 12.12.2012 Mittwoch / 23:22:17.68

Daten geladen: 04.05.2020 17:29:34 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Binary Lighting Output (BLO)

Alle Netzwerke >> Gerät 4194302 >> BinaryLightingOutput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

### Binary Lighting Output

Standard Proprietary

Object Identifier: BinaryLightingOutput 2

Object Name: Binary Lighting Output 2

Object Type: BinaryLightingOutput

Description: Description Binary Lighting Output Writable

Tags: 0 Element(e)

Profile Name: 50-binary-lighting-output profile

Profile Location:

Property List: 37 Element(e)

Present Value: [0, Off]

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

Egress Active:

Notification Class: 2

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Audit Priority Filter: 2 Element(e) in Verwendung

Polarity: [1, Reverse]

Power: 0,30

Blink Warn. Enable:

Egress Time: 700

Strike Count: 2

Time Of Str. Count Res.: 17.05.2019 Freitag / 15:11:10

Event-State:

Event Time Stamps: Off-Normal: 0 Fault: 0 Normal: 0

Event Message Texts:

Acked Transitions:  Off-Normal  Fault  Normal

Feedback Value: [1, On]

Value Source: (0) 0AFA0A1D8B10

Last Command Time: (Monday,04-May-2020),11:22:24.00

Priority Array: 2 Element(e) in Verwendung

Relinquish Default: [0, Off]

Current Command Prio: 8

Value Source Array: 1 Element(e) in Verwendung

Command Time Array: 1 Element(e) in Verwendung

Kommandieren

Elapsed Active Time: 2900

Time Active Time Reset: 25.01.2018 Donnerstag / 11:28:18.10

Daten geladen: 04.05.2020 17:44:03 Autom. aktualisieren alle (sek.): 30 Senden



## Object Type Binary Output (BO)

Alle Netzwerke >> Gerät 4194302 >> BinaryOutput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

**Binary Output**

Standard Proprietary

Object Identifier: BinaryOutput 2

Object Name: Binary Output 2 writable

Object Type: BinaryOutput

Description: Binary Output with many properties writable

Tags: 2 Element(e)

Profile Name: 50-binary-output profile

Profile Location:

Property List: 45 Element(e)

Present Value: [0, Off]

Status Flags: InAlarm Fault Overridden Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit

Out Of Service

Inactive Text: Off

Active Text: On

Interface Value: [1, On]

Event State: [0, Normal]

Event Time Stamps: Off-Normal Fault Normal

Event Message Texts: Friday,31-Janua 0 (Wednesday,04-

Acked Transitions: Off-Normal Fault Normal

Feedback Value: [0, Off]

Value Source: 4194302.(Staging,2)

Last Command Time: (Friday,22-November-2019),15:35:18.00

Priority Array: 2 Element(e) in Verwendung

Relinquish Default: [0, Off]

Current Command Prio: 8

Value Source Array: 2 Element(e) in Verwendung

Command Time Array: 2 Element(e) in Verwendung

Kommandieren

Elapsed Active Time: 106

Time Active Time Reset: 13.12.2012 Donnerstag / 23:22:17.68

Daten geladen: 04.05.2020 17:30:04 Autom. aktualisieren alle (sek.): 30 Senden Write Priority [8, ManualOperator (8)]

## Object Type Calendar (CAL)

Alle Netzwerke >> Gerät 4194302 >> Calendar2

**Objekte** 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

**Calendar**

Standard Proprietary

---

Object Identifier: Calendar 2

Object Name: Calendar 2 with many properties writable

Object Type: Calendar

Description: Calendar

Tags: 1 Element(e)

Profile Name: 50-calendar profile

Profile Location:

Property List: 8 Element(e)

Present Value:

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

---

**Date List**

Tag	Monat	Jahr	Wochentag	End Tag	End Monat	End Jahr	End Wochentag	Eintragstyp
*	6	*	Dienstag					Date
18	1	2018	Donnerstag	19	1	2018	Freitag	DateRange
*			Montag					WeekAndDay
		gerade Monate	*					WeekAndDay
letzte 7 Tage des Monats	1		*					WeekAndDay

---

Daten geladen: 04.05.2020 17:31:04  Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Characterstring Value (CSV)

Alle Netzwerke >> Gerät 4194302 >> CharacterstringValue2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

### CharacterString Value

Standard Proprietary

Object Identifier: CharacterstringValue 2

Object Name: Characterstring Value 2 writable

Object Type: CharacterstringValue

Description: Some Description with many properties writable

Tags: 0 Element(e)

Profile Name: 50-characterstring-value profile

Profile Location:

Property List: 34 Element(e)

Present Value: Some String Value

Status Flags: InAlarm Fault Overridden Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit

Out Of Service

Notification Class: 2

Time Delay: 10

Time Delay Normal: 8

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryOutput,1), PresentValue, -

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Audit Priority Filter: 2 Element(e) in Verwendung

Event State: [0, Normal]

Event Time Stamps: Off-Normal Fault Normal

Event Message Texts:

Acked Transitions:  Off-Normal  Fault  Normal

Alarm Values: 2 Element(e)

Fault Values: 4 Element(e)

Value Source: ---

Last Command Time: (Monday,04-May-2020),11:22:24.00

Priority Array: 1 Element(e) in Verwendung

Relinquish Default: No-Text

Current Command Prio: 16

Value Source Array: 0 Element(e) in Verwendung

Command Time Array: 0 Element(e) in Verwendung

Kommandieren

Daten geladen: 04.05.2020 17:54:54 Autom. aktualisieren alle (sek): 30 Senden Write Priority [8, ManualOperator (8)]

## Object Type Device (DEV)

Alle Netzwerke >> Gerät 4194302 >> Device4194302

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

**Device**

Standard Proprietary

Object Identifier: Device 4194302

Object Name: Dummyserver for TD

Object Type: Device

Description: IUT Template Conformance Tests

Serial Number: SN 12345678/AB/0

Device UUID: FC-08-D9-94-E6-A5-40-91-AB-AA-80-1D-92-01-85-

Tags: 2 Element(e)

Profile Name: 50-device profile

Profile Location: bacnet//this/file,1

Deployed Profile Loc.:

Property List: 70 Element(e)

Location: Testlabor

---

System Status: [0, Operational]

Status Flags: InAlarm Fault Overridden Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Database Revision: 1

Device Addr. Binding: 0 Element(e)

Active COV Subscript: 0

Active COV Multi. Subscr.: 0

Active-VT-Sessions:

Last Restart Reason: [0, RestartReasonUnknown]

Time Of Dev. Restart: [2] ((\*.\*.\*).\*.\*.\*)

---

Notification Class: 1

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

---

Auditable Operations: 13 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Vendor Name: MBS GmbH

Vendor Identifier: 50

Model Name: Dummyserver Simulation

Firmware Revision: No Firmware

Appl. Software Vers.: No Application Software Version

Protocol Version: 1

Prot. Revision: 20

Prot. Services Supp.: 43 Element(e) in Verwendung

Prot. Obj. Types Supp.: 63 Element(e) in Verwendung

VT-Classes-Supp.:

---

Event State: [0, Normal]

	Off-Normal	Fault	Normal
Event Time Stamps	0	0	0
Event Message Texts			

Acked Transitions:  Off-Normal  Fault  Normal

---

Audit Notific. Recipient: NULL

---

Object List: 125 Element(e)

Struct. Object List: 2 Element(e)

Restart Notifi. Recip.: 0 Element(e)

Max APDU Length: 1476

Segm. Supported: [0, Both]

Max Segm. Accepted: 16

APDU Segm. Timeout: 2000

APDU Timeout: 3000

Num. Of APDU Retries: 5

Daten geladen: 04.05.2020 17:31:48 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Elevator Group (EG)

Alle Netzwerke >> Gerät 4194302 >> ElevatorGroup2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Elevator Group**

Standard Proprietary

Object Identifier: ElevatorGroup 2

Object Name: Elevator Group 2

Object Type: ElevatorGroup

Description: Elevator Group 2

Tags: 0 Element(e)

Profile Name: 50-elevator-group profile

Profile Location: 50-elevator-group location

Property List: 12 Element(e)

Machine Room ID: (IntegerValue,2)

Group ID: 2

Group Members: 2 Element(e)

Group Mode: [3, TwoWay]

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Landing Calls: ((2,[1] up.Floor 2))

Landing Call Control: (2,[1] up.Floor 2)

Daten geladen: 04.05.2020 17:45:37 Autom. aktualisieren alle (sek.): 30 Senden



## Object Type Escalator writeable (ESC)

Alle Netzwerke >> Gerät 4194302 >> Escalator2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Escalator**

Standard Proprietary

Object Identifier: Escalator 2

Object Name: Escalator 2 Writable

Object Type: Escalator

Description: Escalator 2 writable

Tags: 0 Element(e)

Profile Name: 50-escalator profile

Profile Location:

Property List: 33 Element(e)

---

Escalator Mode: [0, Unknown]

Operation Direction: [0, Unknown]

Passenger Alarm:

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [23, FaultsListed]

Reliability Evalu. Inhibit:

Out Of Service:

Power Mode:

---

Notification Class: 2

Time Delay: 5

Time Delay Normal: 2

Notify Type: [0, Alarm] 2

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryOutput,1), PresentValue, -

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Elevator Group: (ElevatorGroup,2)

Group ID: 2

Installation ID: 4

---

Event State: [1, Fault]

	Off-Normal	Fault	Normal
Event Time Stamps	0	(Monday,04-Mar 0	0
Event Message Texts		TO_FAULT	

Acked Transitions:  Off-Normal  Fault  Normal

---

Fault Signals: 2 Element(e)

---

Energy Meter: 0,00

Energy Meter Ref: -, (AnalogValue,2)

Daten geladen: 04.05.2020 17:46:03 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Eventlog writable (ELOG)

Alle Netzwerke >> Gerät 4194302 >> Eventlog2

**Objekte** 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1
ACC	2	Accumulator 2
PC	1	Pulse Converter 1
PC	2	Pulse Converter 2 writable
ELOG	1	EventLog 1
ELOG	2	EventLog 2 writable
GGRP	1	Global Group 1
GGRP	2	Global Group 1 writable
TLOGM	1	TrendLogMultiple
TLOGM	2	TrendLogMultiple 2 writable
LC	1	LoadControl 1
LC	2	LoadControl 2 writable
SV	1	StructuredView 1
SV	2	StructuredView 2 writable
AD	1	AccessDoor
AD	2	AccessDoor 2 writable

**Event Log**

Standard Proprietary

Object Identifier: Eventlog 2

Object Name: EventLog 2 writable

Object Type: Eventlog

Description: all event notifications

Tags: 0 Element(e)

Profile Name: 50-event-log profile

Profile Location:

Property List: 31 Element(e)

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Notification Class: 2

Notify Type: [1, Event]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryOutput.1). PresentValue, -

Event State: [0, Normal]

Event Time Stamps	Off-Normal	Fault	Normal
0	0		(Monday,04-Mar

Event Message Texts: TO\_NORMAL

Acked Transitions:  Off-Normal  Fault  Normal

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Enable:

Start Time: \*\*\*\* / \*\*\*\*

Stop Time: \*\*\*\* / \*\*\*\*

Stop When Full:

Buffer Size: 250

Record Count: 250

Total Record Count: 9433

Daten geladen: 04.05.2020 17:40:00  Autom. aktualisieren alle (sek.): 30

## Object Type File writable (FIL)

Alle Netzwerke >> Gerät 4194302 >> File2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

File

Standard Proprietary

Object Identifier: File 2

Object Name: File 2 writable

Object Type: File

Description: File Stream Record

Tags: 1 Element(e)

Profile Name: 50-file profile

Profile Location:

Property List: 13 Element(e)

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

File Type: Empty File

File Size: 0

Modification Date: 18.12.2019 Mittwoch / 14:29:38.44

Archive:

Read Only:

File Access Method: [1, StreamAccess]

Record Count: 0

Lesen Schreiben

Daten geladen: 04.05.2020 17:32:45 Autom. aktualisieren alle (sek.): 30 Senden



## Object Type Lift (LIFT)

Alle Netzwerke >> Gerät 4194302 >> Lift2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Lift**

Standard Proprietary

Object Identifier: Lift 2

Object Name: Lift 2

Object Type: Lift

Description: Lift 2 writable

Tags: 0 Element(e)

Profile Name: 50-lift profile

Profile Location:

Property List: 49 Element(e)

---

Notification Class: 2

Time Delay: 5

Time Delay Normal: 2

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMA TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryOutput,1), PresentValue, -

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Group ID: 2

Installation ID: 4

Elevator Group: (ElevatorGroup,2)

Higher Deck: (proprietary-1023,0)

Lower Deck: (proprietary-1023,0)

---

Floor Text: 3 Element(e)

Car Door Text: 1 Element(e)

---

Assigned Landing Calls: (((2.down),(3.stopped)),((1.up),(2.down),(3.stopped)))

---

Passenger Alarm:

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [23, FaultsListed]

Reliability Evalu. Inhibit:

Out Of Service:

---

Event State: [1, Fault]

Event Time Stamps: 0 (Monday,04-Mar 0)

Event Message Texts: TO\_FAULT

Acked Transitions:  Off-Normal  Fault  Normal

---

Car Position: 3

Car Moving Direction: [2, Stopped]

Next Stopping Floor: 3

Car Drive Status: [0, Unknown]

Landing Door Status: (((1.opened),(2.closed),(3.unknown)),((1.opened),(4...

---

Fault Signals: 2 Element(e)

---

Energy Meter: 0.00

Energy Meter Ref: -, (AnalogValue,2)

---

Car Load: 555,60

Car Load Units: [39, Kilograms]

---

Car Door Status: 1 Element(e)

Daten geladen: 04.05.2020 17:46:48 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Lighting Output writable (LO)

Alle Netzwerke >> Gerät 4194302 >> LightingOutput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

### Lighting Output

Standard Proprietary

Object Identifier: LightingOutput 2

Object Name: Lighting Output 2 writable

Object Type: LightingOutput

Description: Description Lighting W

Tags: 0 Element(e)

Profile Name: 50-lighting profile

Profile Location:

Property List: 36 Element(e)

Present Value: 20.00

Status Flags: InAlarm Fault Overridden Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit

Out Of Service

Notification-Class: 0

Notify-Type: Off-Normal Fault Normal

Event-Msg-Texts-Config: Off-Normal Fault Normal

Event-Enable: Off-Normal Fault Normal

Event-Detection-Enable

Event-State: Off-Normal Fault Normal

Event-Time-Stamp: Off-Normal Fault Normal

Event-Message-Texts: Off-Normal Fault Normal

Acked-Transitions: Off-Normal Fault Normal

Value Source: ---

Last Command Time: ---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

Audit Priority Filter: 2 Element(e) in Verwendung

COV Increment: 1,50

Tracking Value: 20,00

Default Fade Time: 500

Default Ramp Rate: 3,50

Default Step Increment: 1,00

Lighting Command: (none,90.000000,10.000000,1.000000,200,15)

Lighting Cmd. Def. Prio: [8, ManualOperator]

In Progress: [0, Idle]

Blink Warn Enable:

Egress Time: 600

Egress Active:

Transition: [1, Fade]

Feedback Value: 0,00

Min Actual Value: 2,00

Max Actual Value: 80,00

Power: 0,20

Instantaneous Power: 0,15

Priority Array: 1 Element(e) in Verwendung

Relinquish Default: 40,00

Current Command Prio: 16

Value Source Array: 0 Element(e) in Verwendung

Command Time Array: 0 Element(e) in Verwendung

Kommandieren

Daten geladen: 04.05.2020 17:42:40 Autom. aktualisieren alle (sek.): 30 Senden Write Priority [8, ManualOperator (8)]

## Object Type Multistate Input writable (MI)

Alle Netzwerke >> Gerät 4194302 >> MultistateInput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr.	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

### Multistate Input

Standard Proprietary

Object Identifier: MultistateInput 2

Object Name: Multi State Input 2 writable

Object Type: MultistateInput

Description: Multi State Input

Tags: 0 Element(e)

Profile Name: 50-multi-state-input profile

Profile Location:

Property List: 30 Element(e)

Present Value: 1 => Off

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

Number Of States: 3

State Text: 3 Element(e)

Interface Value:

Notification Class: 1

Time Delay: 2

Time Delay Normal: 1

Notify Type: [0, Alarm]

Event Msg. Texts Config:  Off-Normal  Fault  Normal

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryValue,2), PresentValue, -

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Event State: [0, Normal]

	Off-Normal	Fault	Normal
Event Time Stamps	0	(Monday,06-Apr	(Monday,06-Apr
Event Message Texts		TO_FAULT	TO_NORMAL
Acked Transitions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Alarm Values: 1 Element(e)

Fault Values: 1 Element(e)

Device Type: Device Type

Daten geladen: 04.05.2020 17:33:32 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Multi State writable (MO)

Alle Netzwerke >> Gerät 4194302 >> MultistateOutput2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

### Multistate Output

Standard Proprietary

Object Identifier: MultistateOutput 2

Object Name: Multi State Output 2 writable

Object Type: MultistateOutput

Description: Multi State Output with many properties writable

Tags: 0 Element(e)

Profile Name: 50-multi-state-output profile

Profile Location:

Property List: 37 Element(e)

Present Value: 2 => On\_Low

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [25, MultiStateOutOfRange]

Reliability Evalu. Inhibit:

Out Of Service:

Number Of States: 4

State Text: 4 Element(e)

Interface Value:

Notification Class: 1

Time Delay: 2

Time Delay Normal: 1

Notify Type: [0, Alarm]

Event Msg. Texts Config:  Off-Normal  Fault  Normal

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryValue.2), PresentValue, -

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Audit Priority Filter: 2 Element(e) in Verwendung

Device Type: Device Type

Event State: [1, Fault]

Event Time Stamps: 0 (Friday,22-November-2019, 0

Event Message Texts: TO\_FAULT

Acked Transitions:  Off-Normal  Fault  Normal

Feedback Value: 1 => Off

Value Source: 132455,(Device,132455)

Last Command Time: (Friday,22-November-2019),15:19:49.00

Priority Array: 2 Element(e) in Verwendung

Relinquish Default: 1 => Off

Current Command Prio: 8

Value Source Array: 1 Element(e) in Verwendung

Command Time Array: 1 Element(e) in Verwendung

Kommandieren

Daten geladen: 04.05.2020 17:34:19 Autom. aktualisieren alle (sek.): 30 Senden Write Priority [8, ManualOperator (8)]

## Object Type Network Port (NP)

Alle Netzwerke >> Gerät 4194302 >> NetworkPort2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Network Port**

Standard Proprietary

Object Identifier: NetworkPort 2

Object Name: Network Port 2

Object Type: NetworkPort

Description: Network Port 2 IPv6

Tags: 0 Element(e)

Profile Name: 50-network-port-profile

Profile Location:

Property List: 51 Element(e)

---

Network Type: [9, BACnetIPv6]

Protocol Level: [0, Physical]

Reference Port: 4194303

Changes Pending:

Command: [0, Idle]

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

---

Notification Class: 1

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Network Number: 0

Network-Number-Quality:

Virtual MAC Address Tab:

Routing Table:

---

BACnet IP Mode: [0, Normal]

IP Address: C0-A8-9F-01-BA-C0

IP Subnet Mask:

BACnet IP UDP Port: 1

IP Default Gateway: C0-A8-9F-99-BA-C0

BACnet-IP-Multicast-Addr:

IP DNS Server: [6] 0x0123456789ab0123456789ab0123456789ac

---

Link Speed: 4.99

Link Speeds: 2 Element(e)

Link Speed Autonegotiate:

---

MAC Address: C0-A8-9F-01-BA-C0

APDU Length: 1476

Network Interface Name: BACNET\_IPV6

---

BACnet IPv6 Mode: [0, Normal]

IPv6 Address: 01-23-45-67-89-AB-01-23-45-67-89-AB-01-23-45-6

IPv6 Prefix Length: 64

BACnet IPv6 UDP Port: 1

IPv6 Default Gateway: 01-23-45-67-89-CD-01-23-45-67-89-AB-01-23-45-6

BACnet IPv6 Multic. Addr: 01-23-45-67-89-AB-01-23-45-67-89-AB-01-23-45-6

IPv6 DNS Server: [6] (0x923456789cd0123456789ab0123456789a

Daten geladen: 04.05.2020 17:44:51 Autom. aktualisieren alle (sek.): 30 Senden



## Object Type Notification Class writable (NC)

Alle Netzwerke >> Gerät 4194302 >> NotificationClass2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

### Notification Class

Standard Proprietary

Object Identifier: NotificationClass 2

Object Name: Notification Class 2 writable

Object Type: NotificationClass

Description: Notification Class

Tags: 0 Element(e)

Profile Name: 50-notification-class profile

Profile Location:

Property List: 21 Element(e)

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Priority: 3 Element(e)

Ack Required:  Off-Normal  Fault  Normal

Recipient List: 4 Element(e)

Notification Class: 1

Notify Type: [0, Alarm]

Event Msg. Texts Config:  Off-Normal  Fault  Normal

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Event State: [0, Normal]

Event Time Stamps: 

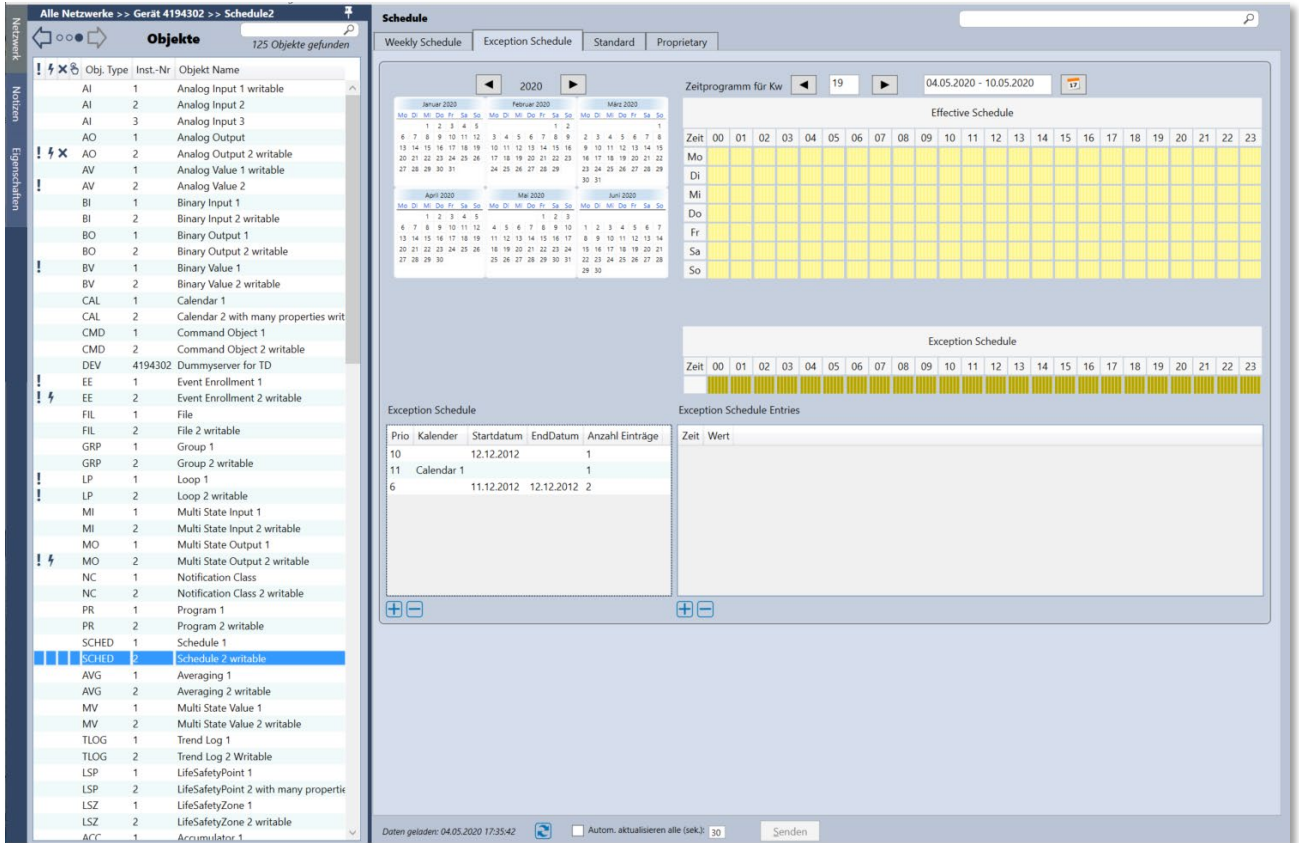
Off-Normal	Fault	Normal
0	0	0

Event Message Texts:

Acked Transitions:  Off-Normal  Fault  Normal

Daten geladen: 04.05.2020 17:34:58 Autom. aktualisieren alle (sek.): 30 Senden

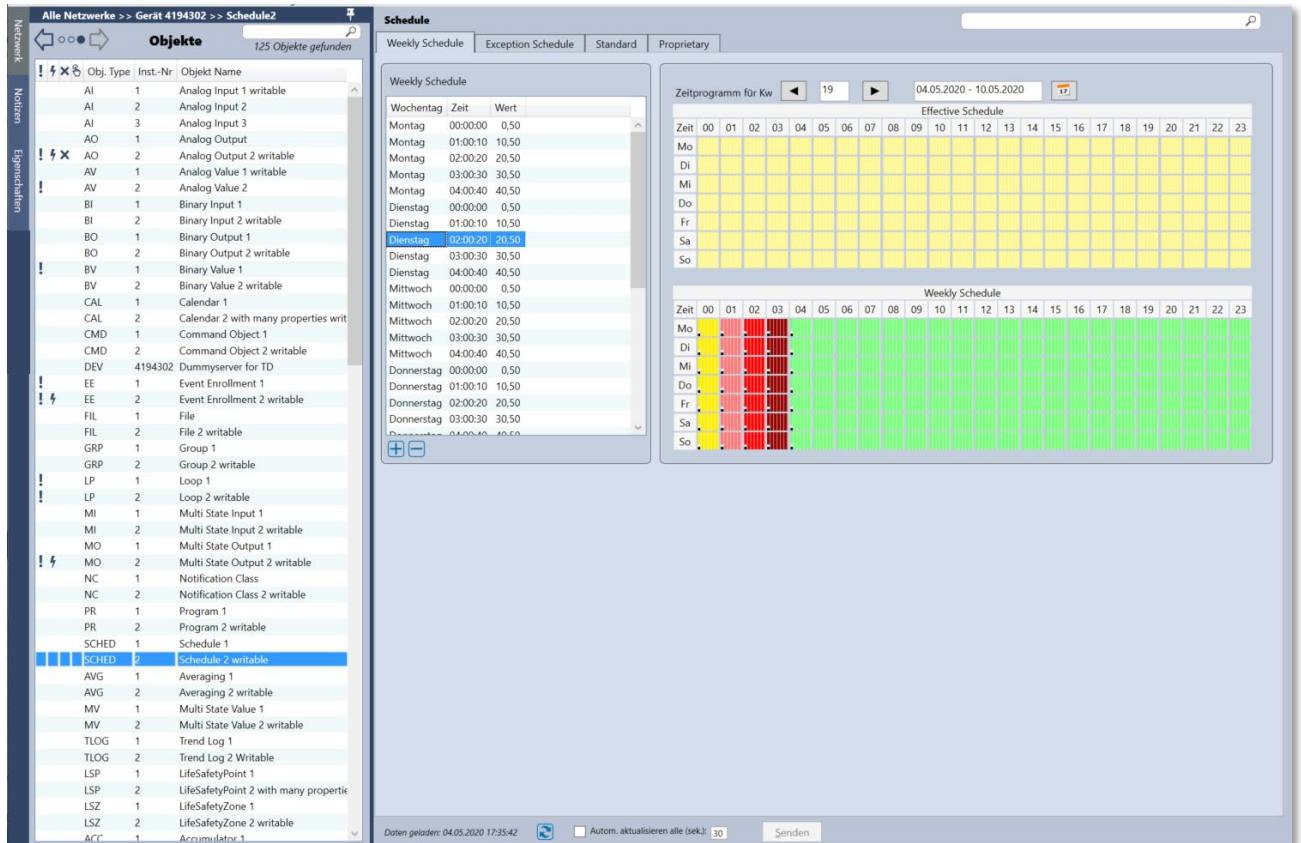
## Object Type Schedule writable (SCHED)



The screenshot displays the MBS software interface for configuring a 'Schedule' object. The left sidebar shows a list of object types, with 'SCHED 3: Schedule 2 writable' selected. The main window is titled 'Schedule' and shows the configuration for 'Objekt 4194302'. The 'Effective Schedule' is displayed as a calendar grid for the week of 04.05.2020 to 10.05.2020. The 'Exception Schedule' is also shown as a calendar grid. Below the calendar, there is a table for 'Exception Schedule Entries'.

Prio	Kalender	Startdatum	Enddatum	Anzahl Einträge
10		12.12.2012		1
11	Calendar 1			1
6		11.12.2012	12.12.2012	2

## Object Type Schedule writable (SCHED)



The screenshot displays the MBS software interface for configuring a writable schedule object. The main window is titled 'Schedule' and shows the configuration for 'Objekt 2' (Schedule 2).

**Object List (Objekte):**

Obj. Type	Inst.-Nr	Objekt Name
AI	1	Analog Input 1 writable
AI	2	Analog Input 2
AI	3	Analog Input 3
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1

**Weekly Schedule Table:**

Wochentag	Zeit	Wert
Montag	00:00:00	0,50
Montag	01:00:10	10,50
Montag	02:00:20	20,50
Montag	03:00:30	30,50
Montag	04:00:40	40,50
Dienstag	00:00:00	0,50
Dienstag	01:00:10	10,50
Dienstag	02:00:20	20,50
Dienstag	03:00:30	30,50
Dienstag	04:00:40	40,50
Mittwoch	00:00:00	0,50
Mittwoch	01:00:10	10,50
Mittwoch	02:00:20	20,50
Mittwoch	03:00:30	30,50
Mittwoch	04:00:40	40,50
Donnerstag	00:00:00	0,50
Donnerstag	01:00:10	10,50
Donnerstag	02:00:20	20,50
Donnerstag	03:00:30	30,50
Donnerstag	04:00:40	40,50

**Effective Schedule Grid (04.05.2020 - 10.05.2020):**

Zeit	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Mo																									
Di																									
Mi																									
Do																									
Fr																									
Sa																									
So																									

**Weekly Schedule Grid:**

Zeit	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mo	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Di	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Mi	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Do	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Fr	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Sa	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
So	Red	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

At the bottom of the interface, there is a status bar with the text: 'Daten geladen: 04.05.2020 17:35:42', a refresh icon, a checkbox for 'Autom. aktualisieren alle (sek): 30', and a 'Senden' button.



## Object Type Staging writable (STAG)

Alle Netzwerke >> Gerät 4194302 >> Staging2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2
OSV	1	Octetstring Value 1
OSV	2	Octetstring Value 2
PIV	1	Positive Integer Value 1
PIV	2	Positive Integer Value 2 writable
TPV	1	Time Pattern Value 1
TPV	2	Time Pattern Value 2 writable
TV	1	Time Value 1
TV	2	Time Value 2 writable
NFW	1	Notification Forwarder 1
NFW	2	Notification Forwarder 1 writable
AE	1	Alert Enrollment 1
AE	2	Alert Enrollment 2 writable
CNL	1	Channel 1
CNL	2	Channel 2 writable
LO	1	Lighting Output 1
LO	2	Lighting Output 2 writable
BLO	1	Binary Lighting Output 1
BLO	2	Binary Lighting Output 2
NP	1	Network Port 1
NP	2	Network Port 2
NP	3	Network Port 3
EG	1	Elevator Group 1
EG	2	Elevator Group 2
ESC	1	Escalator 1
ESC	2	Escalator 2 Writable
LIFT	1	Lift 1
LIFT	2	Lift 2
STAG	1	Staging 1
STAG	2	Staging 2 Writable
ALOG	1	Audit Log 1
ALOG	2	Audit Log 2 Writable
AREP	1	Audit Reporter 1
AREP	2	Audit Reporter 2 Writable

**Staging**

Standard Proprietary

Object Identifier: Staging 2

Object Name: Staging 2 Writable

Object Type: Staging

Description: Stage Object writable

Tags: 0 Element(e)

Profile Name: 50-staging profile

Profile Location:

Property List: 31 Element(e)

---

Notification Class: 2

Notify Type: [1, Event]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Min Pres Value: 39,50

Max Pres Value: 88,60

COV Increment: 0,55

---

Present Value: 50,20

Units: [188, NewtonsPerMeter]

Present Stage: 2

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

---

Event State: [0, Normal]

	Off-Normal	Fault	Normal
Event Time Stamps	0	(Friday,24-Janua	(Friday,24-Janua
Event Message Texts		TO_FAULT	TO_NORMAL
Acked Transitions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Stages: ((40.000000,(T,T,F),0.500000),(66.599998,(T,F,F),0.5)

Stage Names: 3 Element(e)

Value Source: 4194302,(Staging,2)

---

Target References: 3 Element(e)

Priority For Writing: [8, ManualOperator]

Default Present Value: 50,20

Daten geladen: 04.05.2020 17:48:31 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Timer writable (TM)

Alle Netzwerke >> Gerät 4194302 >> Timer2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1
ACC	2	Accumulator 2
PC	1	Pulse Converter 1
PC	2	Pulse Converter 2 writable
ELOG	1	EventLog 1
ELOG	2	EventLog 2 writable
GGRP	1	Global Group 1
GGRP	2	Global Group 1 writable
TLOGM	1	TrendLogMultiple
TLOGM	2	TrendLogMultiple 2 writable
LC	1	LoadControl 1
LC	2	LoadControl 2 writable
SV	1	StructuredView 1
SV	2	StructuredView 2 writable
AD	1	AccessDoor
AD	2	AccessDoor 2 writable
TM	1	Timer 1
TM	2	Timer 2 writable
AC	1	Access Credential 1
AC	2	Access Credential 2 writable
AP	1	Access Point 1
AP	2	Access Point 2 writable
AR	1	Access Rights 1
AR	2	Access Rights 2 writable
AU	1	Access User 1
AU	2	Access User 2 writable
AZ	1	Access Zone 1
AZ	2	Access Zone 2
CD	1	Credential Data Input
CD	2	Credential Data Input 2 writable
BSV	1	Bitstring Value 1
BSV	2	Bitstring Value 2
CSV	1	Characterstring Value 1
CSV	2	Characterstring Value 2 writable
DPV	1	Date Pattern Value 1
DPV	2	Date Pattern Value 2
DV	1	Date Value 1
DV	2	Date Value 2 writable
DTPV	1	Datetime Pattern Value 1
DTPV	2	Datetime Pattern Value 2 writable
DTV	1	Datetime Value 1
DTV	2	Datetime Value 2
IV	1	Integer Value 1
IV	2	Integer Value 2 writable
LAV	1	Large Analog Value 1
LAV	2	Large Analog Value 2

**Timer**

Standard Proprietary

Object Identifier: Timer 2

Object Name: Timer 2 writable

Object Type: Timer

Description: Timer with many properties writable

Tags: 0 Element(e)

Profile Name: 50-timer profile

Profile Location:

Property List: 37 Element(e)

---

Notification Class: 2

Time Delay: 2

Time Delay Normal: 3

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryOutput,1), PresentValue, -

---

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [1, AuditAll]

---

Min Pres Value: 10

Max Pres Value: 110

Resolution: 10

---

Present Value: 0

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Timer State: [2, Expired]

Timer Running:

Update Time: 18.10.2019 Freitag / 11:44:30.00

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Out Of Service:

---

Event State: [2, OffNormal]

	Off-Normal	Fault	Normal
Event Time Stamps	(Monday,27-Jan) 0		0
Event Message Texts	TO_OFFNORMAL		
Acked Transitions	<input type="checkbox"/> Off-Normal	<input checked="" type="checkbox"/> Fault	<input checked="" type="checkbox"/> Normal

---

Alarm Values: 1 Element(e)

---

Last State Change: [4, RunningToExpired]

Expiry Time: 18.10.2019 Freitag / 11:52:30.00

Initial\_Timeout: 50

---

Default\_Timeout: 50

State-Change-Values:

List Of Obj. Prop. Refs: 1 Element(e)

Priority For Writing: [8, ManualOperator]

Daten geladen: 04.05.2020 17:40:47 Autom. aktualisieren alle (sek.): 30 Senden

## Object Type Trendlog writable (TLOG)

Alle Netzwerke >> Gerät 4194302 >> Trendlog2

Objekte 125 Objekte gefunden

Obj. Type	Inst.-Nr	Objekt Name
AO	1	Analog Output
AO	2	Analog Output 2 writable
AV	1	Analog Value 1 writable
AV	2	Analog Value 2
BI	1	Binary Input 1
BI	2	Binary Input 2 writable
BO	1	Binary Output 1
BO	2	Binary Output 2 writable
BV	1	Binary Value 1
BV	2	Binary Value 2 writable
CAL	1	Calendar 1
CAL	2	Calendar 2 with many properties writ
CMD	1	Command Object 1
CMD	2	Command Object 2 writable
DEV	4194302	Dummyserver for TD
EE	1	Event Enrollment 1
EE	2	Event Enrollment 2 writable
FIL	1	File
FIL	2	File 2 writable
GRP	1	Group 1
GRP	2	Group 2 writable
LP	1	Loop 1
LP	2	Loop 2 writable
MI	1	Multi State Input 1
MI	2	Multi State Input 2 writable
MO	1	Multi State Output 1
MO	2	Multi State Output 2 writable
NC	1	Notification Class
NC	2	Notification Class 2 writable
PR	1	Program 1
PR	2	Program 2 writable
SCHED	1	Schedule 1
SCHED	2	Schedule 2 writable
AVG	1	Averaging 1
AVG	2	Averaging 2 writable
MV	1	Multi State Value 1
MV	2	Multi State Value 2 writable
TLOG	1	Trend Log 1
TLOG	2	Trend Log 2 Writable
LSP	1	LifeSafetyPoint 1
LSP	2	LifeSafetyPoint 2 with many propertie
LSZ	1	LifeSafetyZone 1
LSZ	2	LifeSafetyZone 2 writable
ACC	1	Accumulator 1
ACC	2	Accumulator 2
PC	1	Pulse Converter 1
PC	2	Pulse Converter 2 writable

### Trend Log

Standard Proprietary

Object Identifier: Trendlog 2

Object Name: Trend Log 2 Writable

Object Type: Trendlog

Description: Trendlog

Tags: 0 Element(e)

Profile Name: 50-trend-log profile

Profile Location:

Property List: 37 Element(e)

Status Flags:  InAlarm  Fault  Overridden  Out of Servi

Reliability: [0, NoFaultDetected]

Reliability Evalu. Inhibit:

Notification Class: 2

Notify Type: [0, Alarm]

Event Msg. Texts Config: TO\_OFFNORMAL TO\_FAULT TO\_NORMAL

Event Enable:  Off-Normal  Fault  Normal

Event Detection Enable:

Event Algorithm Inhibit:

Event Alg. Inhibit Ref: (BinaryValue.2), PresentValue, -

Auditable Operations: 16 Element(e) in Verwendung

Audit Level: [3, Default]

Enable:

Start Time: \*\*\*\* / \*\*\*\*

Stop Time: \*\*\*\* / \*\*\*\*

Log Dev.Obj.Prop.: -, (AnalogInput.2), PresentValue, -

Logging Type: [0, Polled]

Log Interval: 500

Align-Intervals:

Interval-Offset: 0

Event State: [0, Normal]

Event Time Stamps	Off-Normal	Fault	Normal
Event Time Stamps	0	0	(Monday,04-Ma
Event Message Texts			TO_NORMAL

Acked Transitions:  Off-Normal  Fault  Normal

Notification Threshold: 10

Records Since Notifi: 7

Last Notify Record: 274586

Trigger:

Stop When Full:

Buffer Size: 1000

Logbuffer

Record Count: 1000

Total Record Count: 274593

COV Resubscr. Interval: 3600

Client COV Incr: 0.99

Daten geladen: 04.05.2020 17:39:07

Autom. aktualisieren alle (sek.): 30

Senden



## 7 Produktunterstützung

<b>Hersteller</b>	MBS GmbH Römerstraße 15 47809 Krefeld
<b>Telefon</b>	+49 21 51 72 94-0
<b>Telefax</b>	+49 21 51 72 94-50
<b>E-Mail</b>	support@mbs-solutions.de
<b>Internet</b>	www.mbs-solutions.de
	wiki.mbs-software.info
<b>Servicezeiten</b>	Montag - Freitag: 8:30 bis 12:00 Uhr 13:00 bis 17:00 Uhr