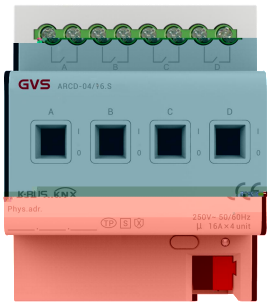
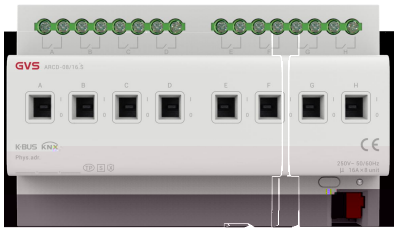
K-BUS


GVS
ARCD-04/16.S
A
B
C
D
K-BUS KNX
Phys.adr.


GVS
K-BUS KNX

GVS
ARCD-12/16.S
A
B
C
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F
G
H
I
J
K
L
K-BUS KNX
Phys.adr.

注意事项

1、请远离强磁场、高温、潮湿等环境；

4、请勿自行拆

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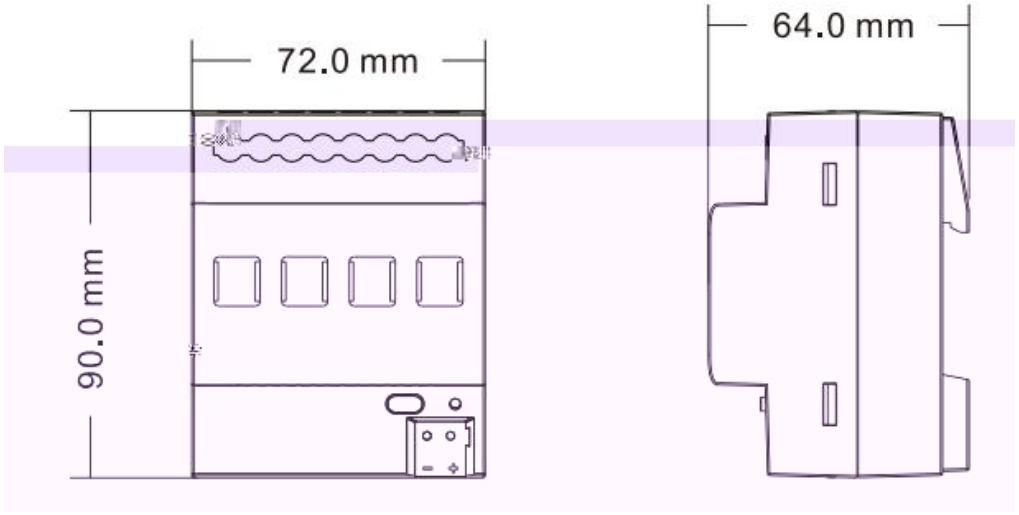
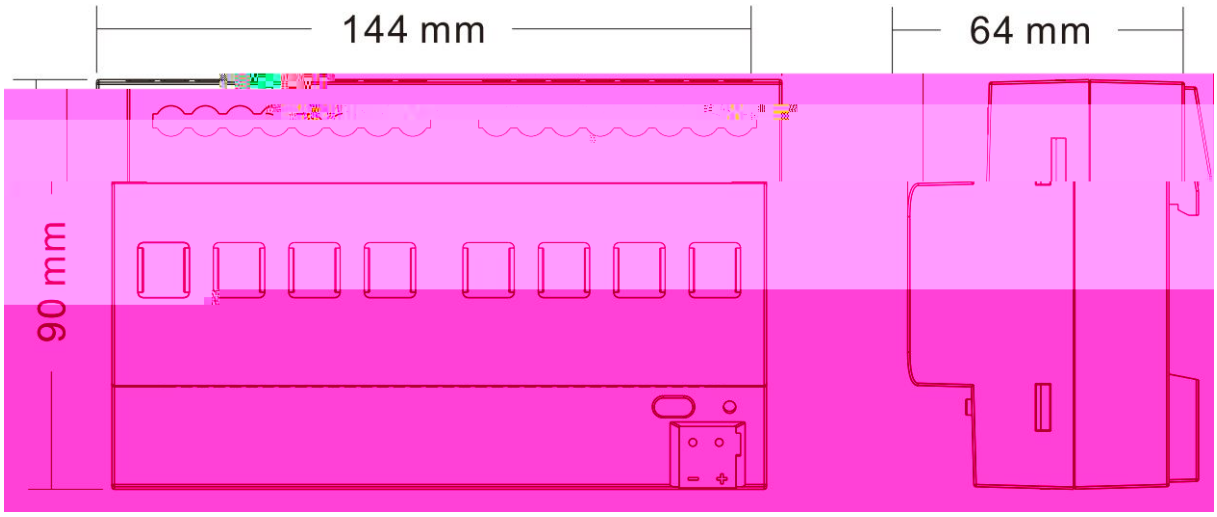
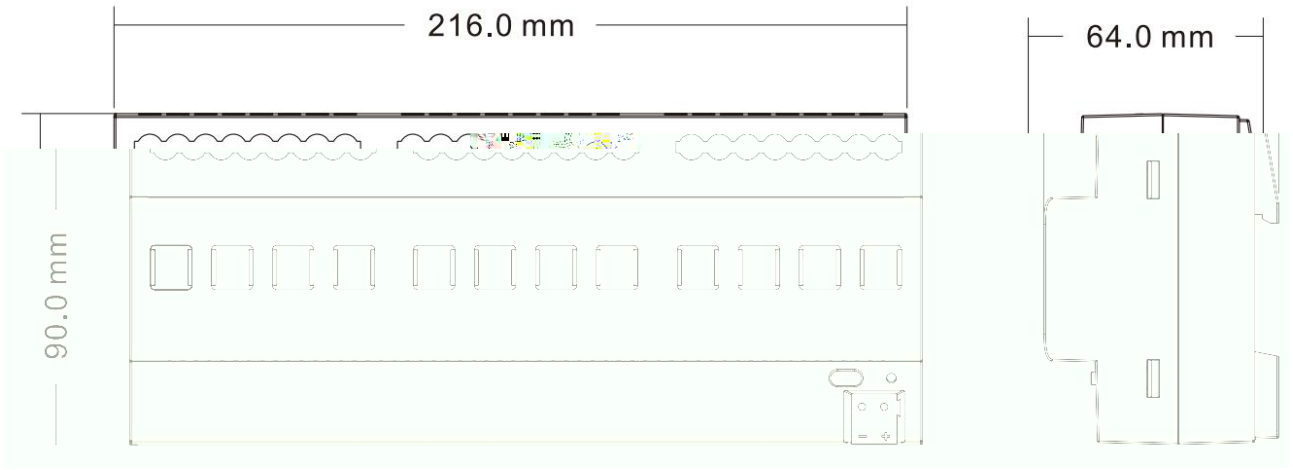
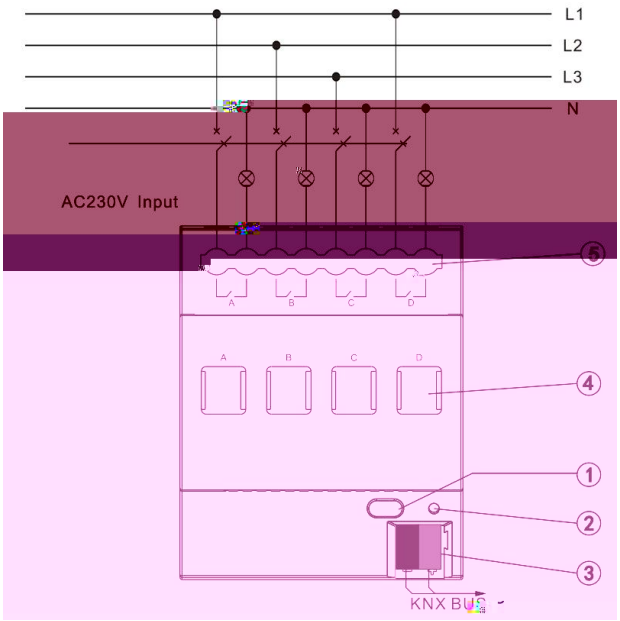
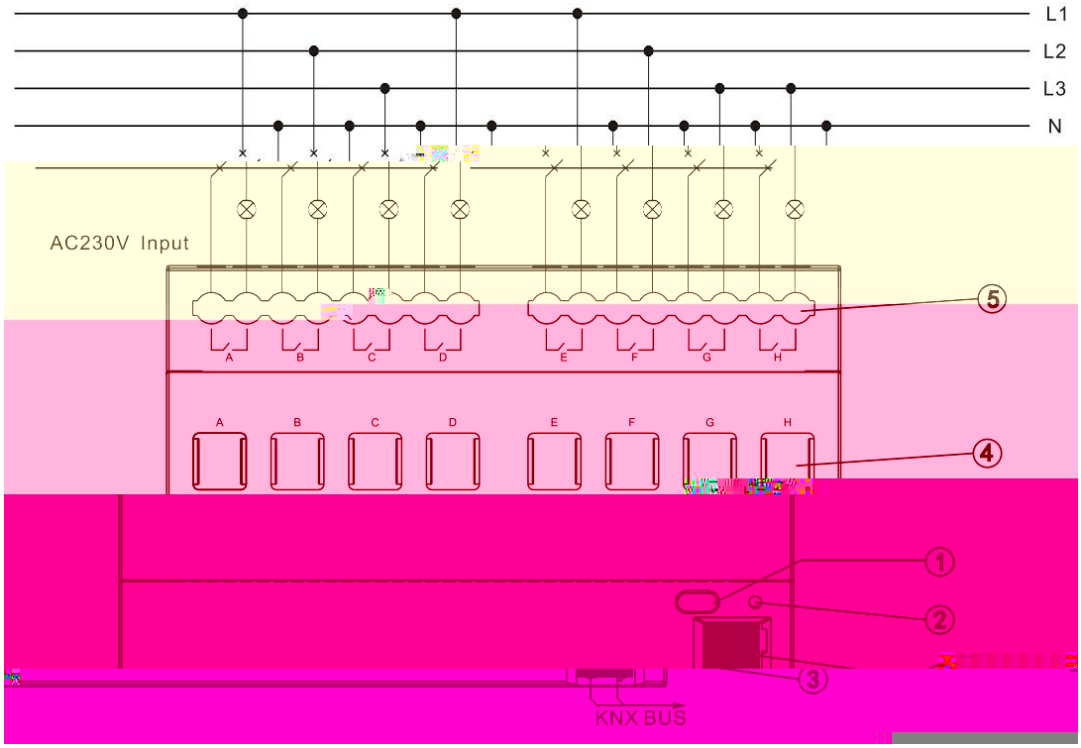

72.0 mm
64.0 mm
90.0 mm


144 mm
64 mm
90 mm


216.0 mm
64.0 mm
90.0 mm


L1
L2
L3
N
AC230V Input
5
4
1
2
3
KNX BUS


L1
L2
L3
N
AC230V Input
A
B
C
D
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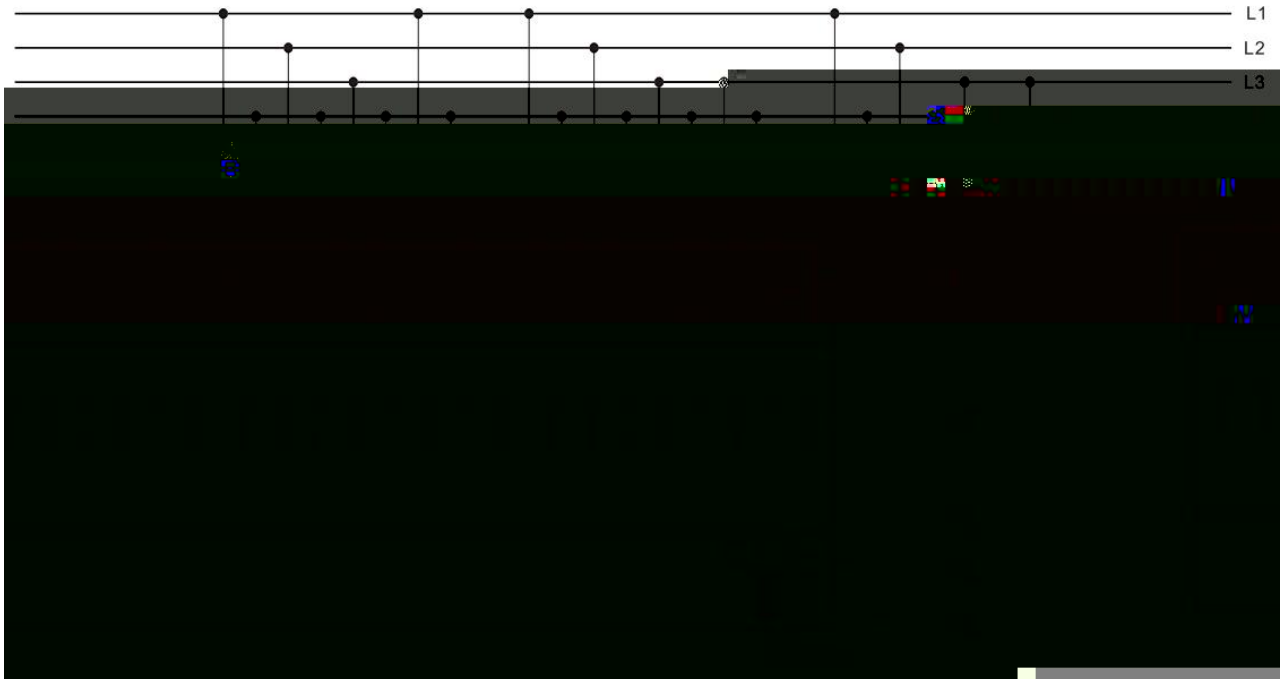
G
H
5
4
1
2
3
KNX BUS


L1
L2
L3

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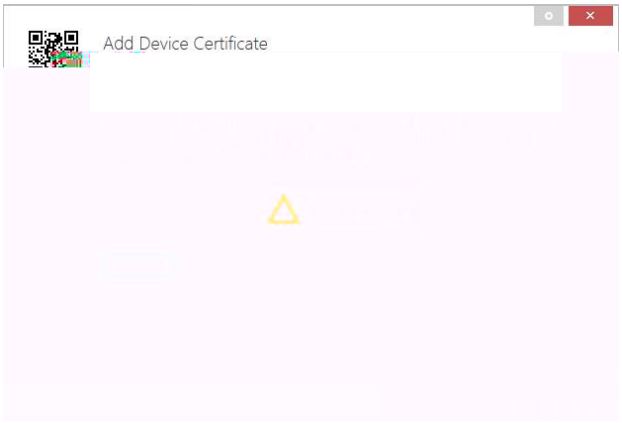

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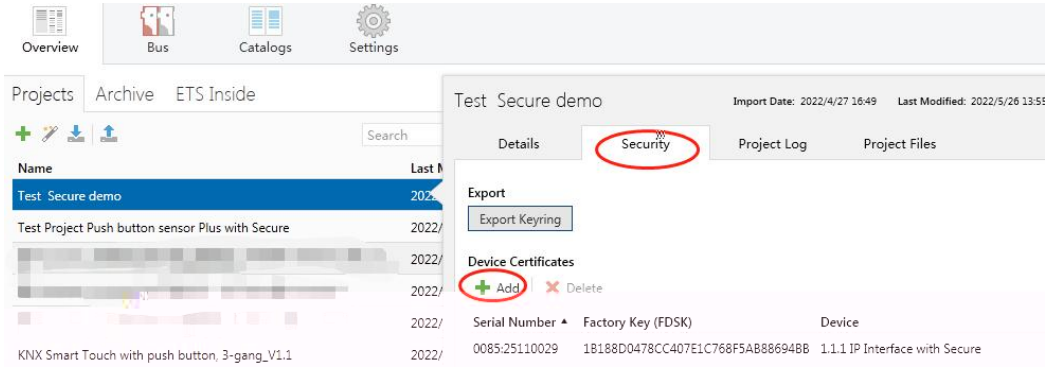
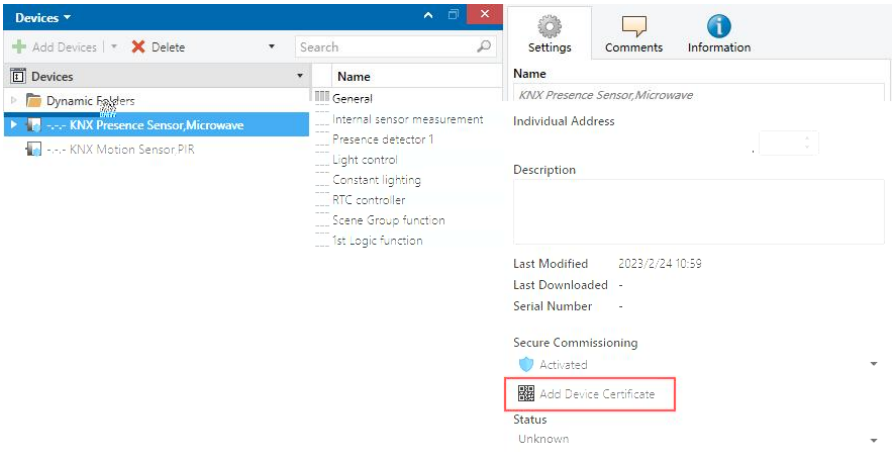

Overview
Bus
Catalogs
Settings
Projects
Archive
ETS Inside
Search
Name
Test Secure demo
Test Project Push button sensor Plus with Secure
KNX Smart Touch with push button, 3-gang_V1.1
Test Secure demo
Import Date: 2022/4/27 16:49
Last Modified: 2022/5/26 13:55
Details
Security
Project Log
Project Files
Export
Export Keyring
Device Certificates
Add
Delete
Serial Number
Factory Key (FDSK)
Device
0085:25110029
1B188D0478CC407E1C768F5AB88694BB
1.1.1 IP Interface with Secure


Devices
Add Devices
Delete
Search
Devices
Dynamic Folders
KNX Presence Sensor,Microwave
KNX Motion Sensor PIR
Name
General
Internal sensor measurement
Presence detector 1
Light control
Constant lighting
RTC controller
Scene Group function
1st Logic function
Settings
Comments
Information
Name
KNX Presence Sensor,Microwave
Individual Address
Description
Last Modified 2023/2/24 10:59
Last Downloaded -
Serial Number -
Secure Commissioning
Activated
Add Device Certificate
Status
Unknown

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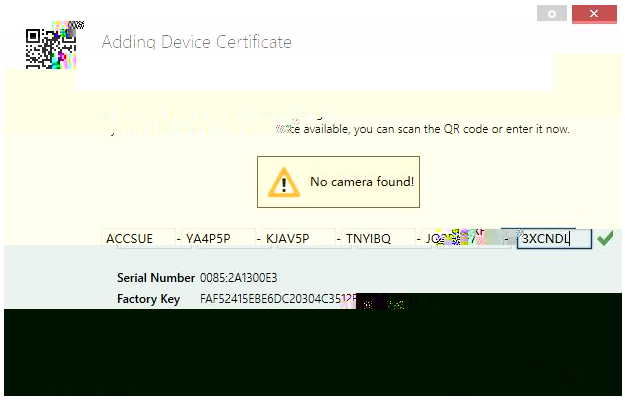
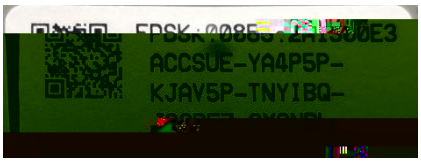

Adding Device Certificate
No camera found!
ACCSUE - YA4P5P - KJAV5P - TNYIBQ -
Serial Number 0085:2A1300E3
Factory Key


ACCSUE-YA4P5P-
KJAV5P-TNYIBQ-

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The device in the programming mode is not
the same as the device previously

Device is secured with a key not known...
If you are sure you opened the correct...
you can get access again by performin...
Download(All): Failed
Device is secured with a key not known within this project.
If you are sure you opened the correct project and have the device certificate available, you can get access again by performing a factory reset on the device according to the product documentation.

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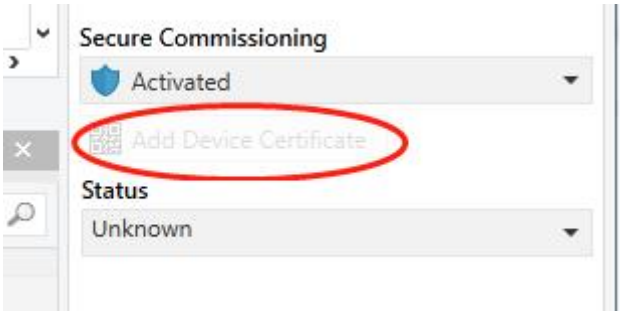
Secure Commissioning
Activated
Add Device Certificate
Status
Unknown

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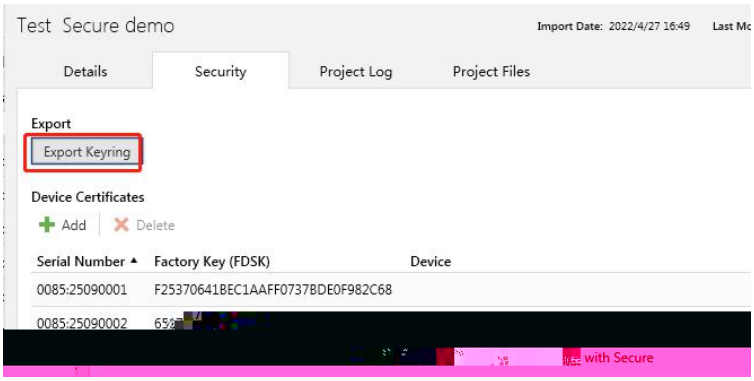
Test Secure demo
Import Date: 2022/4/27 16:49
Details
Security
Project Log
Project Files
Export
Export Keyring
Device Certificates
Add
Delete
Serial Number
Factory Key (FDSK)
Device
0085:25090001
F25370641BEC1AAFF0737BDE0F982C68
0085:25090002

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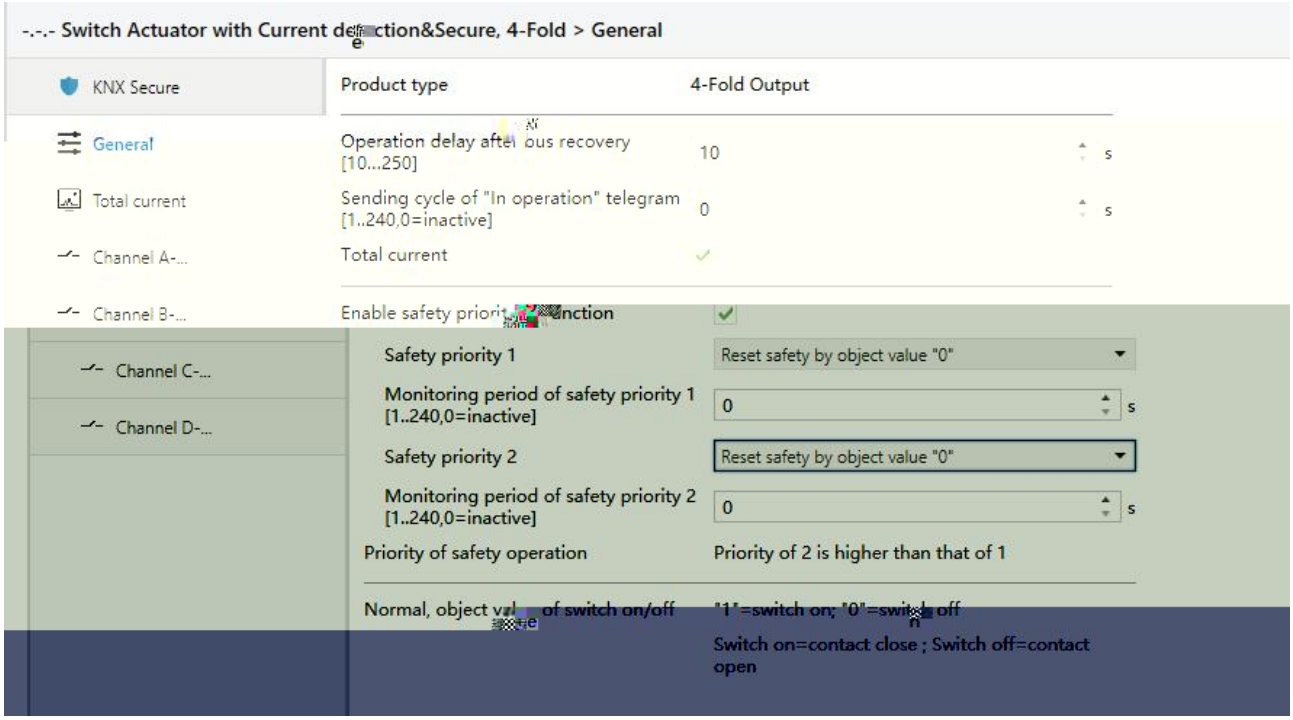
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > General
KNX Secure
General
Total current
Channel A-...
Channel B-...
Channel C-...
Channel D-...
Product type
4-Fold Output
Operation delay after bus recovery [10...250]
10
s
Sending cycle of "In operation" telegram [1..240,0=inactive]
0
s
Total current
Enable safety priority function
Safety priority 1
Reset safety by object value "0"
Monitoring period of safety priority 1 [1..240,0=inactive]
0
s
Safety priority 2
Reset safety by object value "0"
Monitoring period of safety priority 2 [1..240,0=inactive]
0
s
Priority of safety operation
Priority of 2 is higher than that of 1
Normal, object value of switch on/off
"1"=switch on; "0"=switch off
Switch on=contact close ; Switch off=contact open

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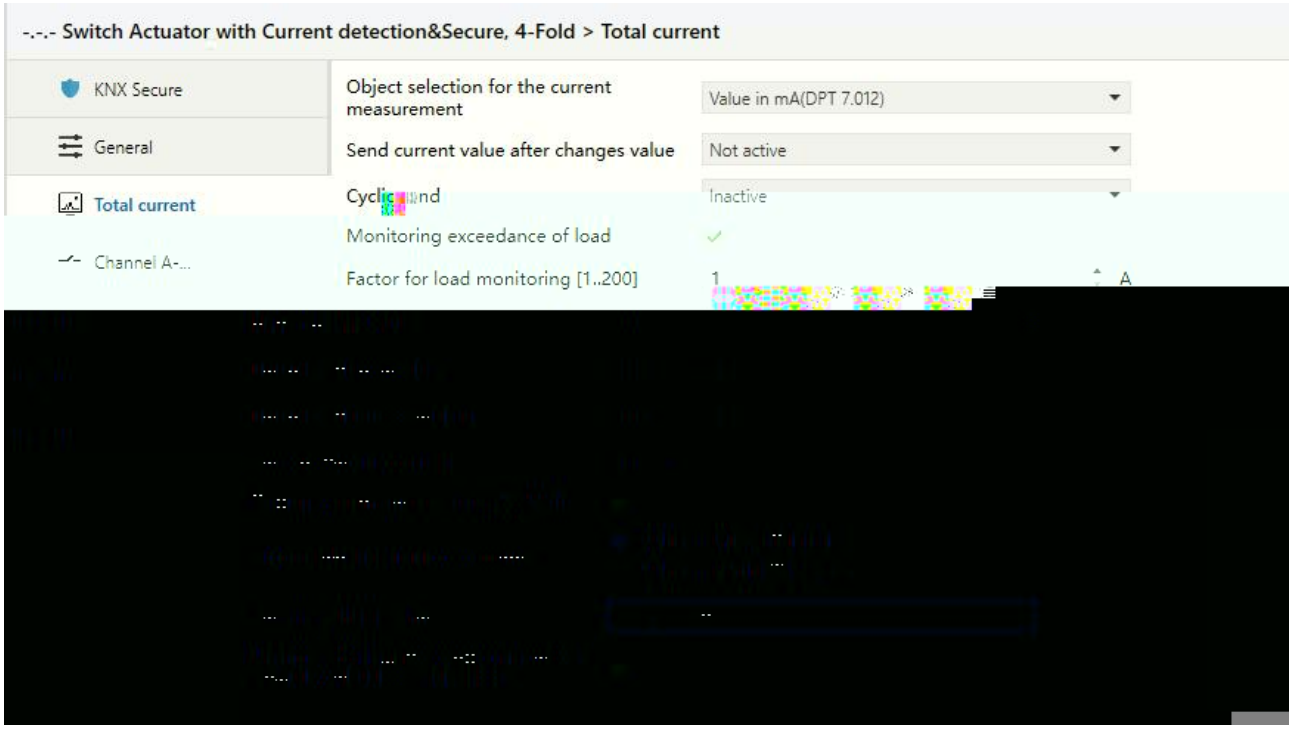
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Total current
KNX Secure
General
Total current
Channel A-...
Object selection for the current measurement
Value in mA(DPT 7.012)
Send current value after changes value
Not active
Cyclic send
Inactive
Monitoring exceedance of load
Factor for load monitoring [1..200]
1
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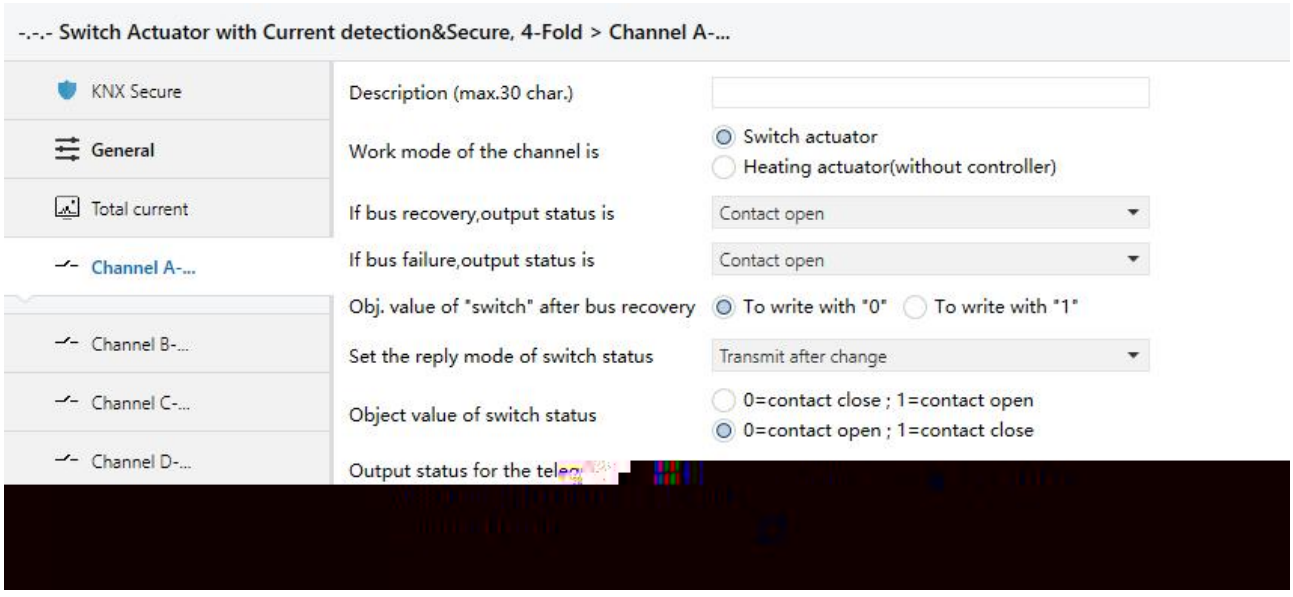
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-...
KNX Secure
General
Total current
Channel A-...
Channel B-...
Channel C-...
Channel D-...
Description (max.30 char.)
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
If bus recovery,output status is
Contact open
If bus failure,output status is
Contact open
Obj. value of "switch" after bus recovery
To write with "0"
To write with "1"
Set the reply mode of switch status
Transmit after change
Object value of switch status
0=contact close ; 1=contact open
0=contact open ; 1=contact close
Output status for the tele

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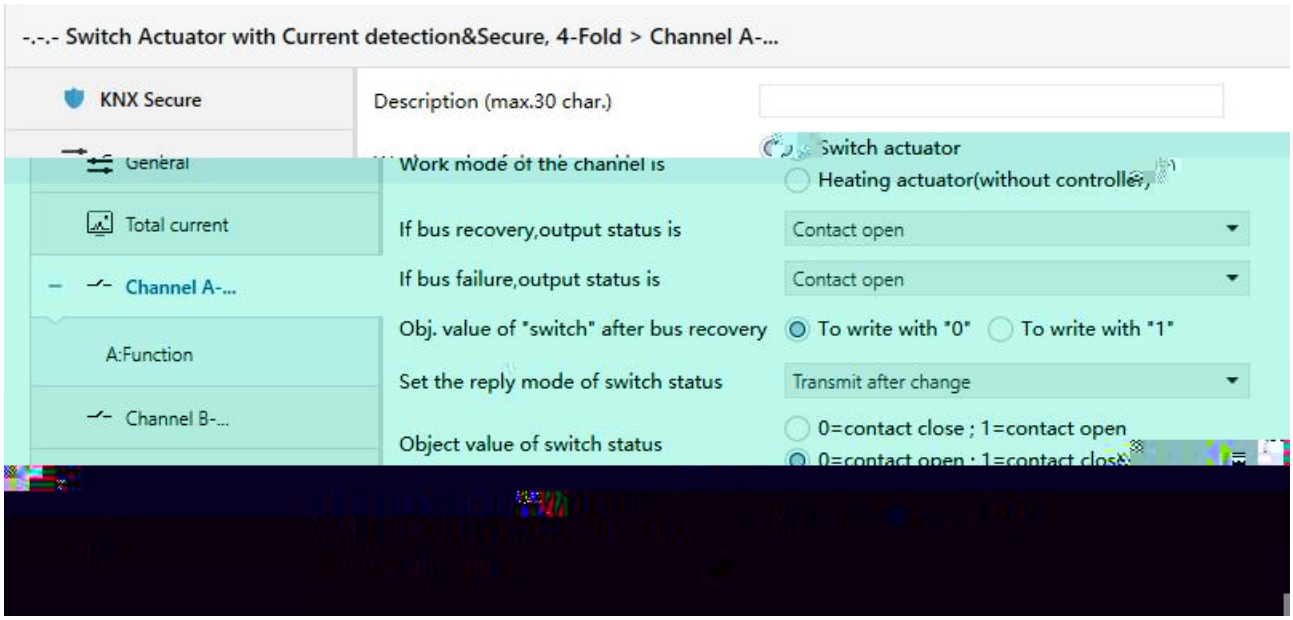
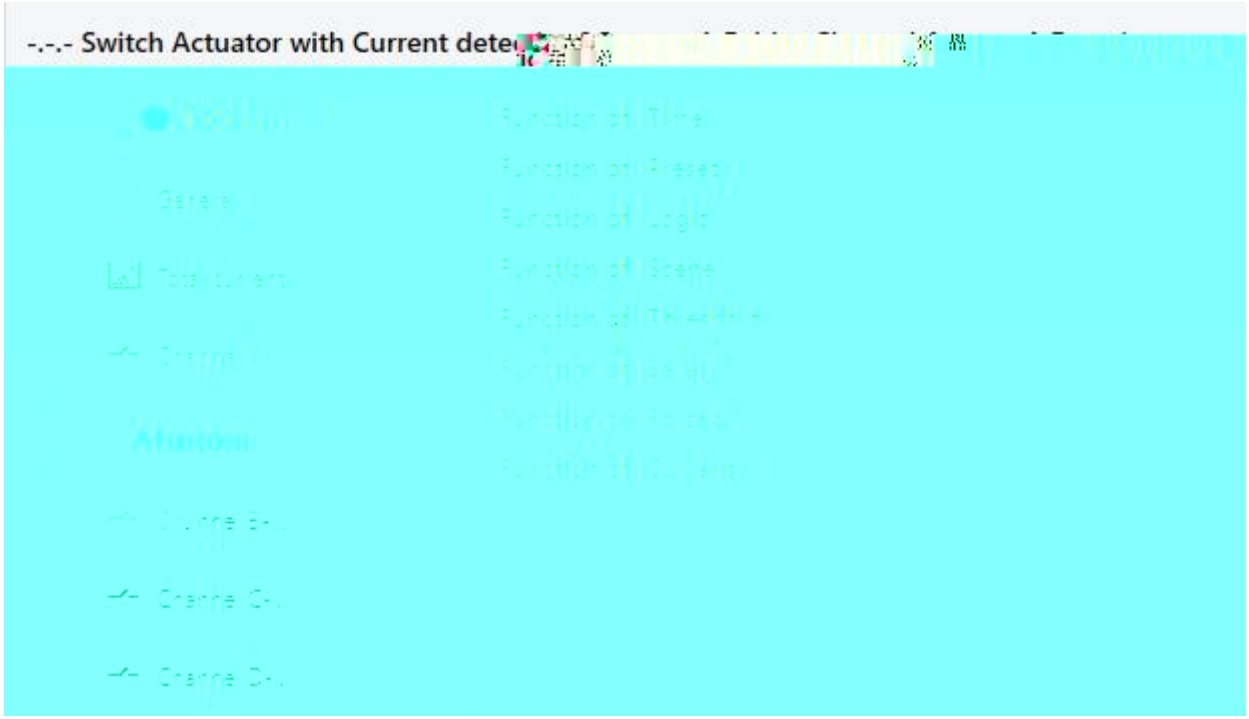

-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-...
KNX Secure
General
Total current
Channel A-...
A:Function
Channel B-...
Description (max.30 char.)
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
If bus recovery,output status is
Contact open
If bus failure,output status is
Contact open
Obj. value of "switch" after bus recovery
To write with "0"
To write with "1"
Set the reply mode of switch status
Transmit after change
Object value of switch status
0=contact close ; 1=contact open
0=contact open ; 1=contact close


-.-.- Switch Actuator with Current dete

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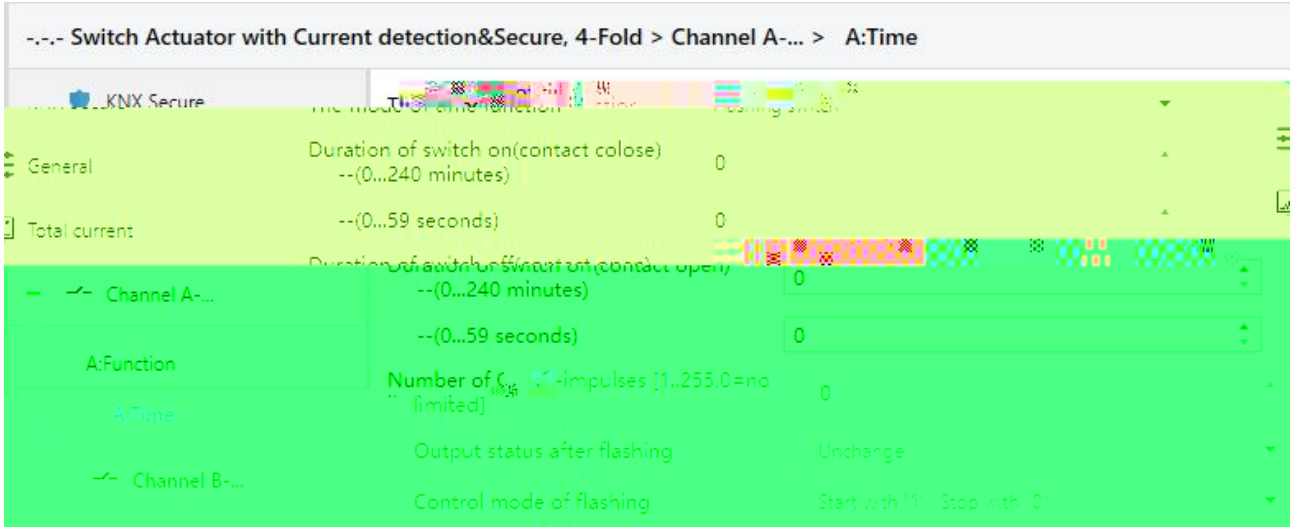

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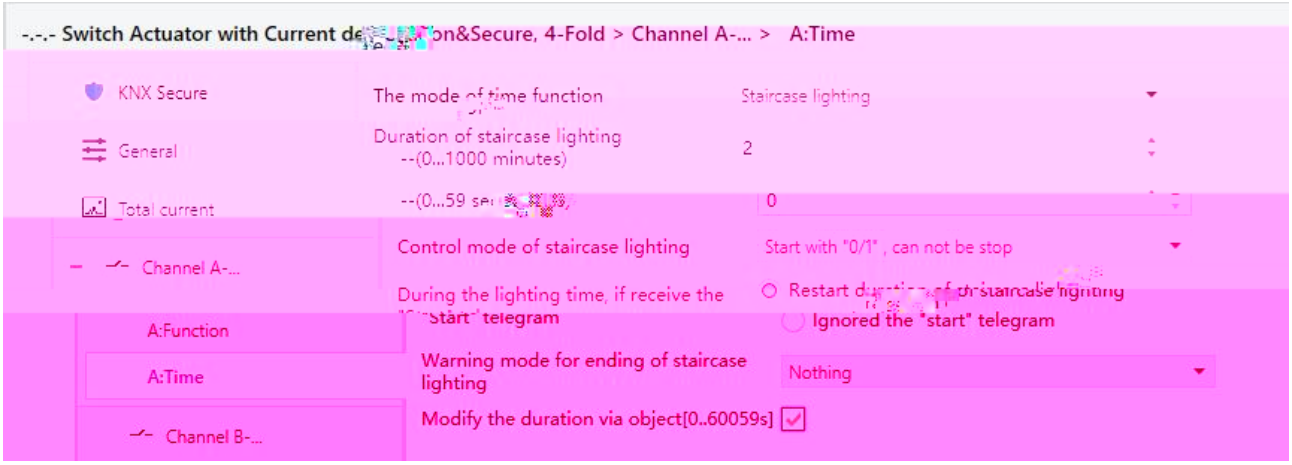
-.-.- Switch Actuator with Current de...on&Secure, 4-Fold > Channel A-... > A:Time
KNX Secure
General
Total current
Channel A-...
A:Function
A:Time
Channel B-...
The mode of time function
Staircase lighting
Duration of staircase lighting
--(0...1000 minutes)
2
--(0...59 se...
0
Control mode of staircase lighting
Start with "0/1" , can not be stop
During the lighting time, if receive the "start" telegram
Restart duration of staircase lighting
Ignored the "start" telegram
Warning mode for ending of staircase lighting
Nothing
Modify the duration via object[0..60059s]

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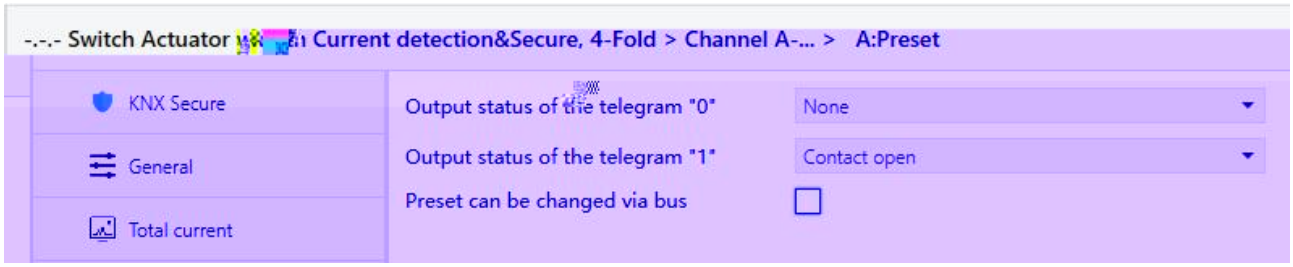
-.-.- Switch Actuator
Current detection&Secure, 4-Fold > Channel A-... > A:Preset
KNX Secure
General
Total current
Output status of the telegram "0"
None
Output status of the telegram "1"
Contact open
Preset can be changed via bus

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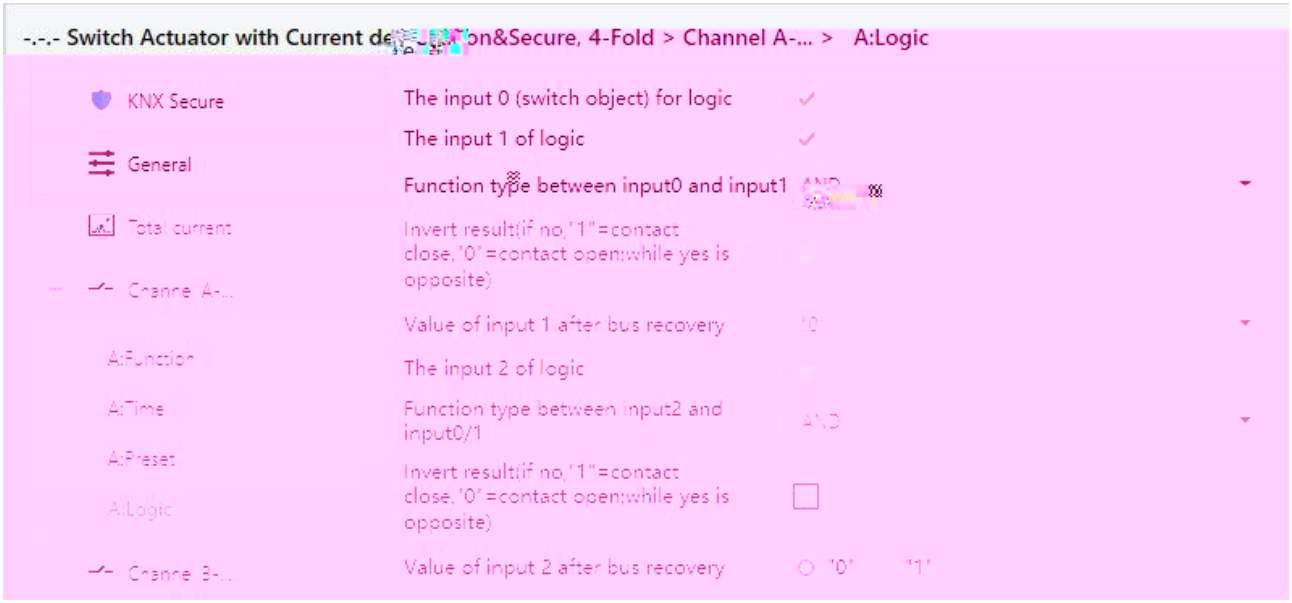
-.-.- Switch Actuator with Current de...on&Secure, 4-Fold > Channel A-... > A:Logic
KNX Secure
General
Total current
Channe A-...
A:Function
A:Time
A:Preset
A:Logic
Channe B-...
The input 0 (switch object) for logic
The input 1 of logic
Function type between input0 and input1
Invert result(if no,"1"=contact close,"0"=contact open;while yes is opposite)
Value of input 1 after bus recovery
The input 2 of logic
Function type between input2 and input0/1
AND
Invert result(if no,"1"=contact close,"0"=contact open;while yes is opposite)
Value of input 2 after bus recovery
"0"
"1"

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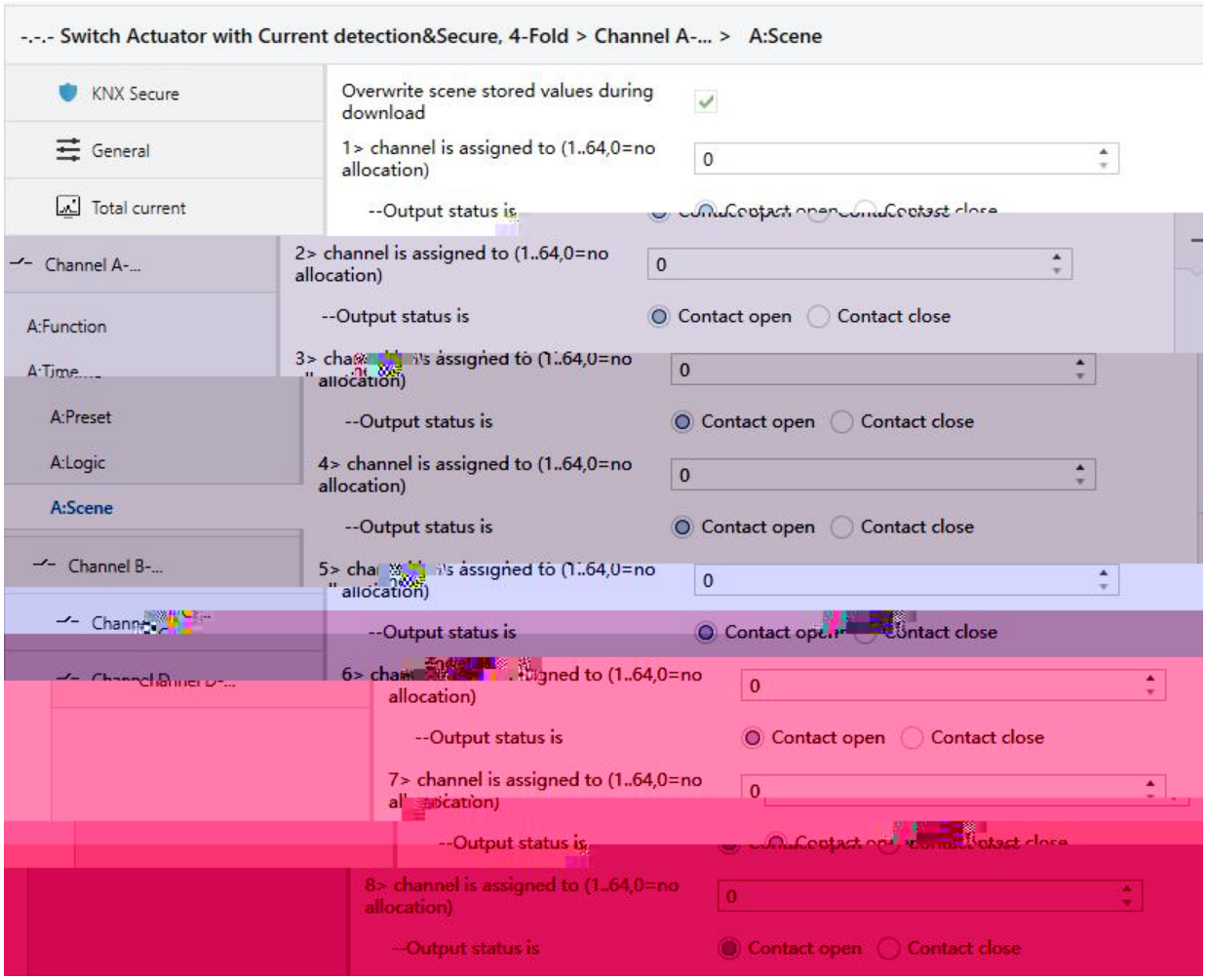
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-... > A:Scene
KNX Secure
General
Total current
Channel A-...
A:Function
A:Time...
A:Preset
A:Logic
A:Scene
Channel B-...
Overwrite scene stored values during download
1> channel is assigned to (1..64,0=no allocation)
0
--Output status is
2> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close
3> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close
4> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close
5> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close
6> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close
7> channel is assigned to (1..64,0=no allocation)
0
--Output status is
8> channel is assigned to (1..64,0=no allocation)
0
--Output status is
Contact open
Contact close

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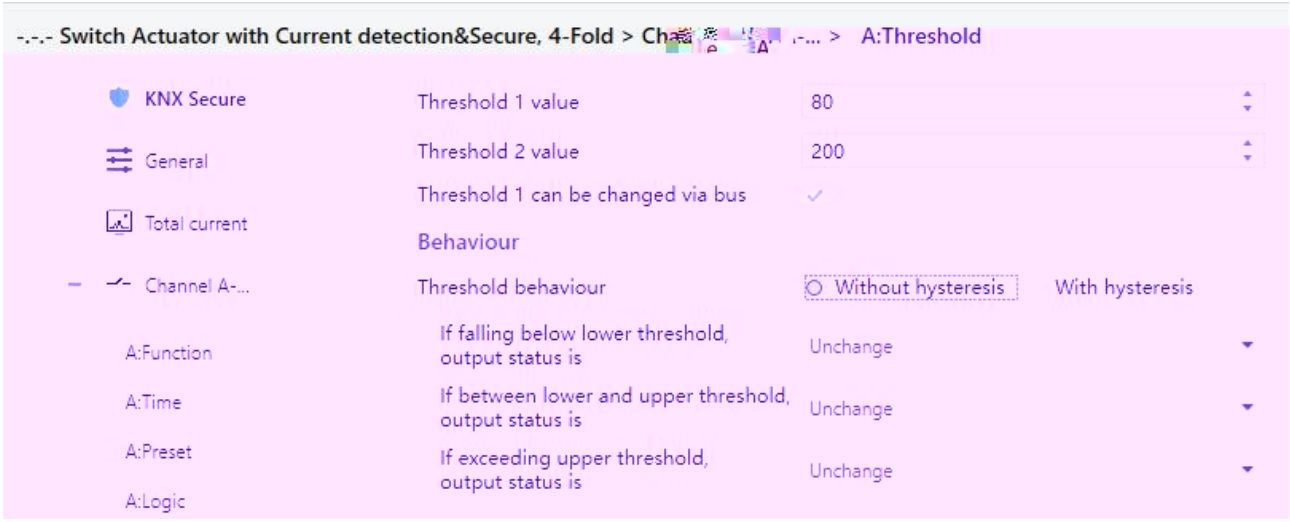
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Cha .-... > A:Threshold
KNX Secure
General
Total current
Channel A-...
A:Function
A:Time
A:Preset
A:Logic
Threshold 1 value
80
Threshold 2 value
200
Threshold 1 can be changed via bus
Behaviour
Threshold behaviour
Without hysteresis
With hysteresis
If falling below lower threshold, output status is
Unchange
If between lower and upper threshold, output status is
Unchange
If exceeding upper threshold, output status is
Unchange

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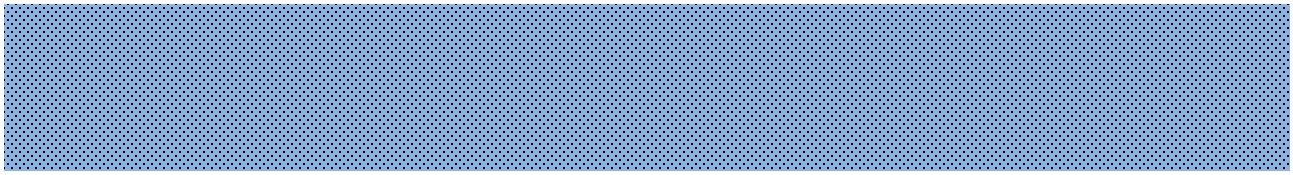

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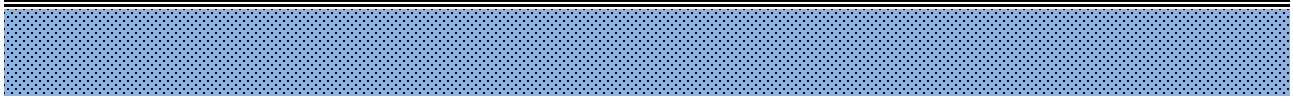
Threshold 1 value
Threshold 2 value
200



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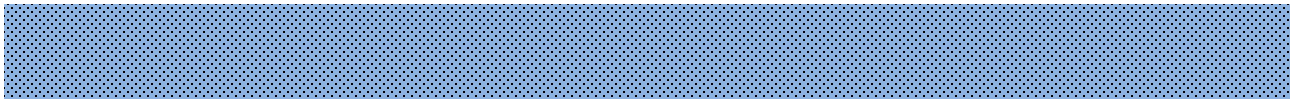

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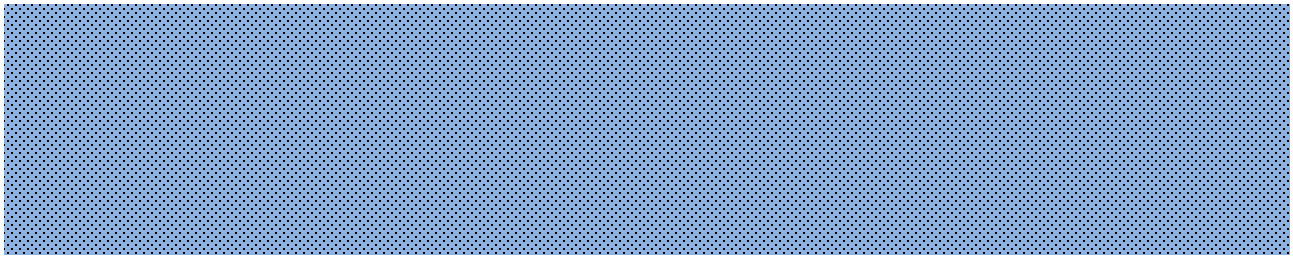

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-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-... > A:Safety
KNX Secure
General
Total current
Setting of safety
On parameter-window "General"
Output status if safety priority 1
Unchange
Output
fety priority 2
Unchange

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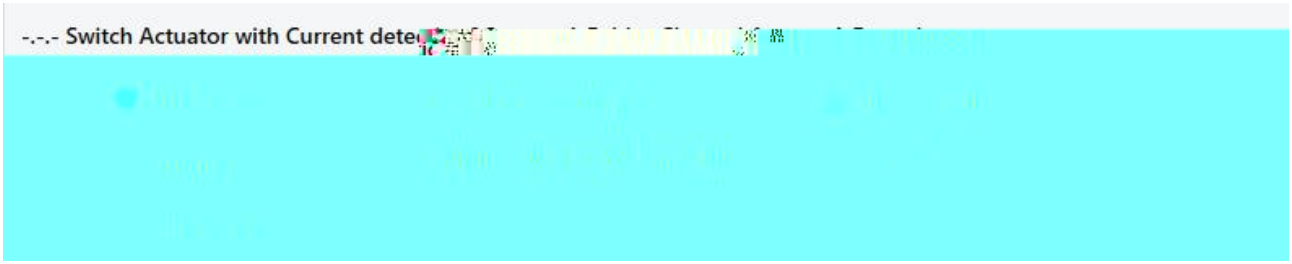

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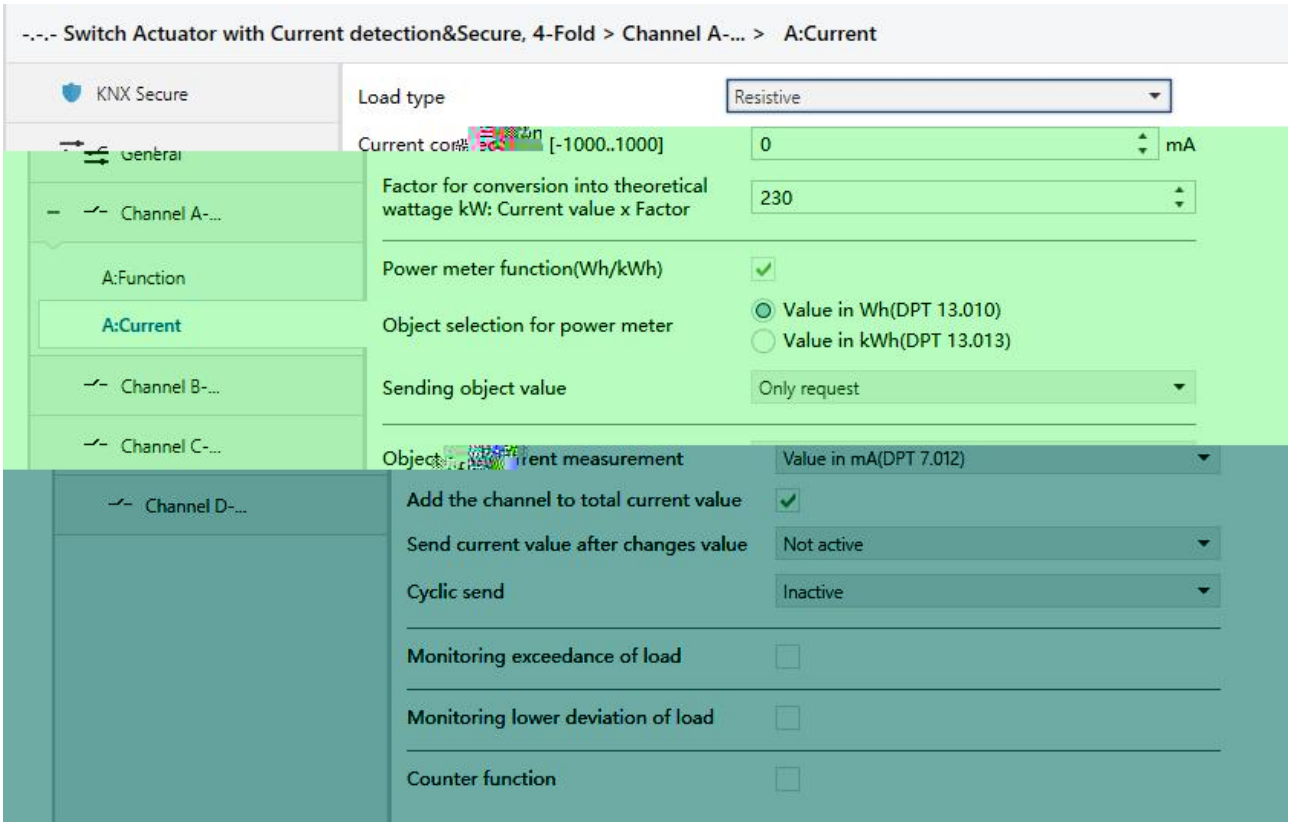
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-... > A:Current
KNX Secure
General
Channel A-...
A:Function
A:Current
Channel B-...
Channel C-...
Channel D-...
Load type
Resistive
[-1000..1000]
0
mA
Factor for conversion into theoretical wattage kW: Current value x Factor
230
Power meter function(Wh/kWh)
Object selection for power meter
Value in Wh(DPT 13.010)
Value in kWh(DPT 13.013)
Sending object value
Only request
Value in mA(DPT 7.012)
Add the channel to total current value
Send current value after changes value
Not active
Cyclic send
Inactive
Monitoring exceedance of load
Monitoring lower deviation of load
Counter function

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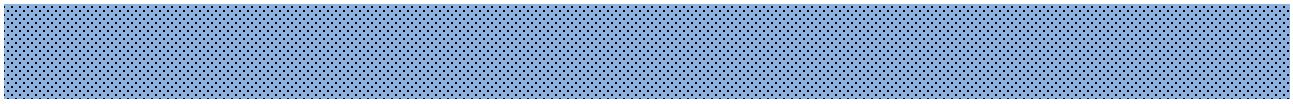

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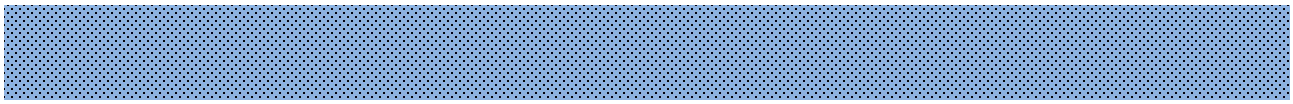

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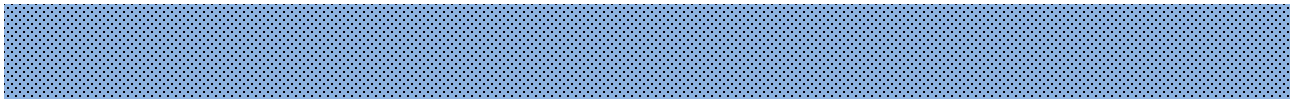

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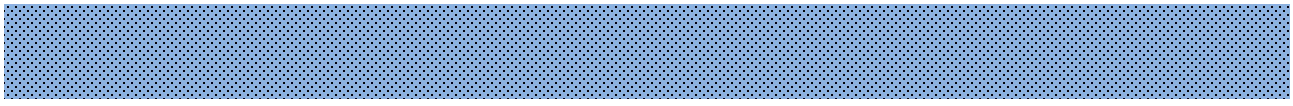

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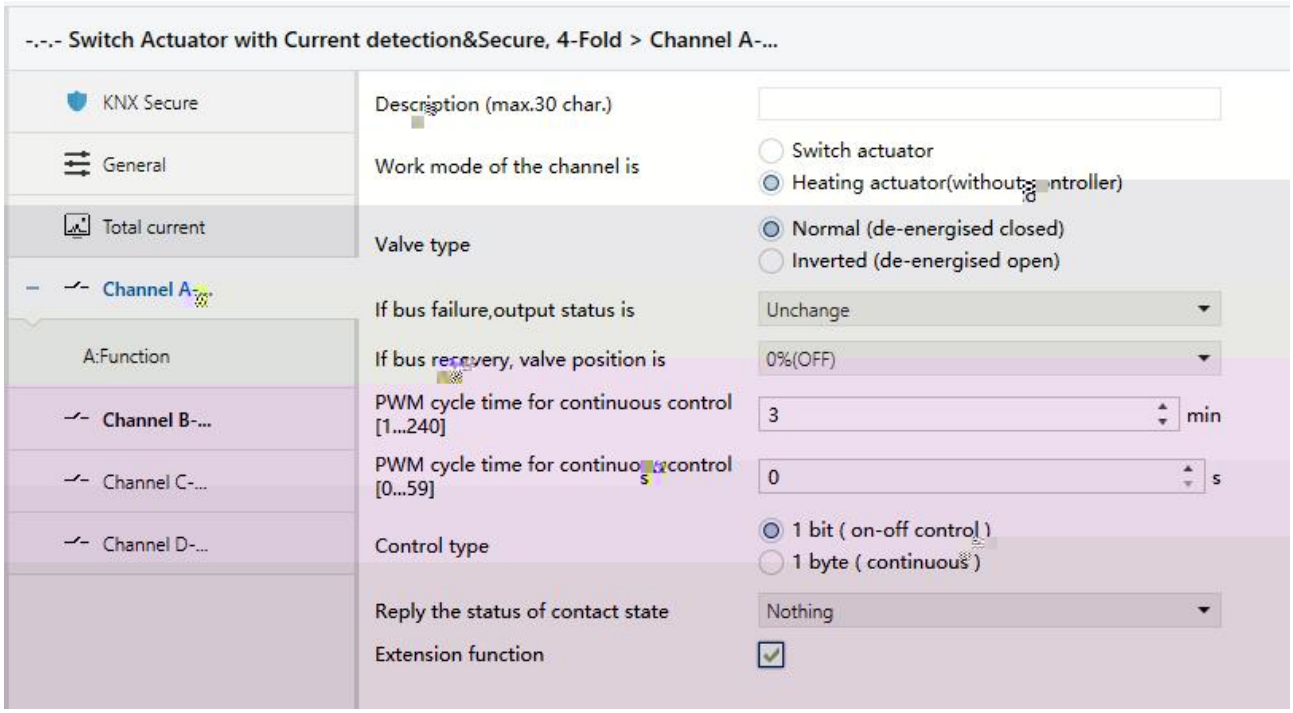
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-...
KNX Secure
General
Total current
Channel A-...
A:Function
Channel B-...
Channel C-...
Channel D-...
Description (max.30 char.)
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
Valve type
Normal (de-energised closed)
Inverted (de-energised open)
If bus failure,output status is
Unchange
If bus recovery, valve position is
0%(OFF)
PWM cycle time for continuous control [1...240]
3
min
PWM cycle time for continuous control [0...59]
0
s
Control type
1 bit (on-off control)
1 byte (continuous)
Reply the status of contact state
Nothing
Extension function

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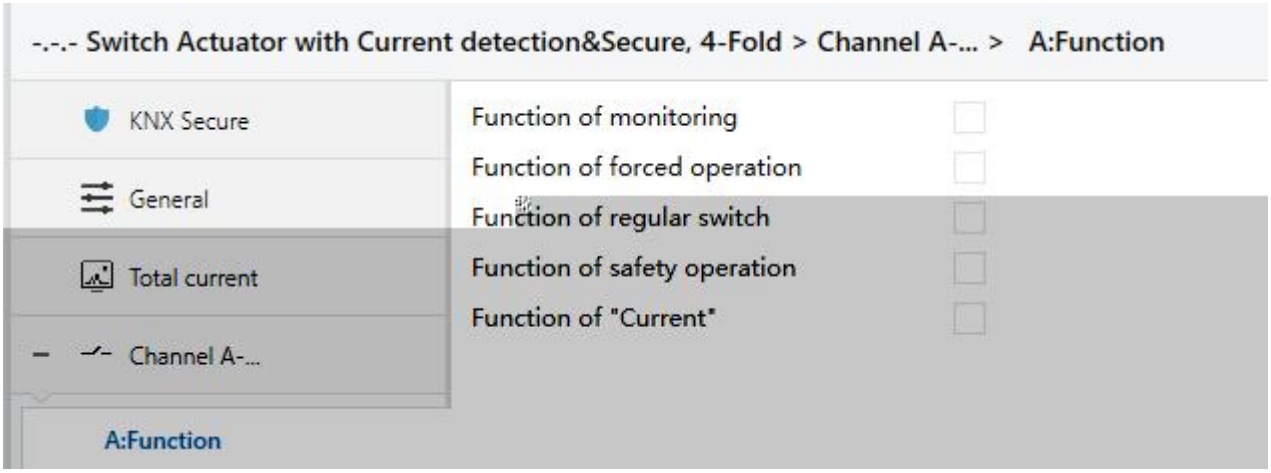
-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-... > A:Function
KNX Secure
General
Total current
Channel A-...
A:Function
Function of monitoring
Function of forced operation
Function of regular switch
Function of safety operation
Function of "Current"

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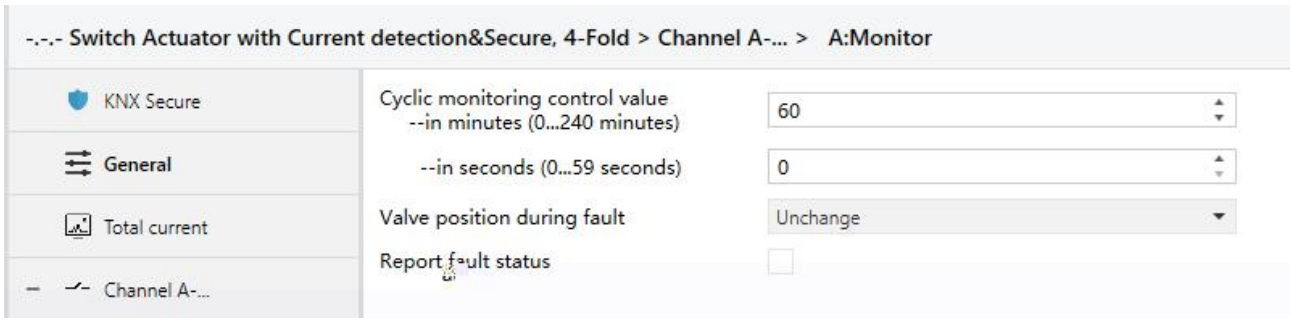

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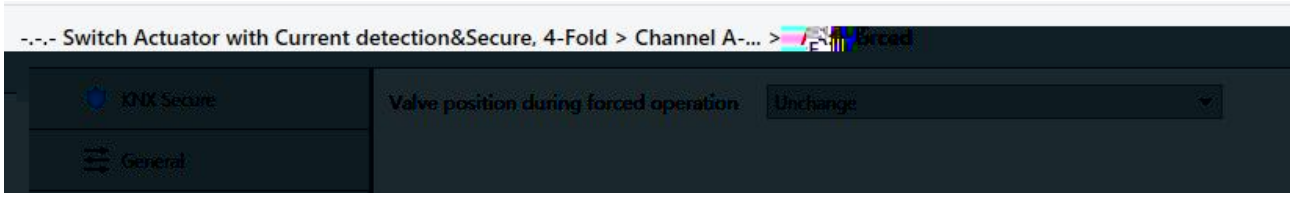

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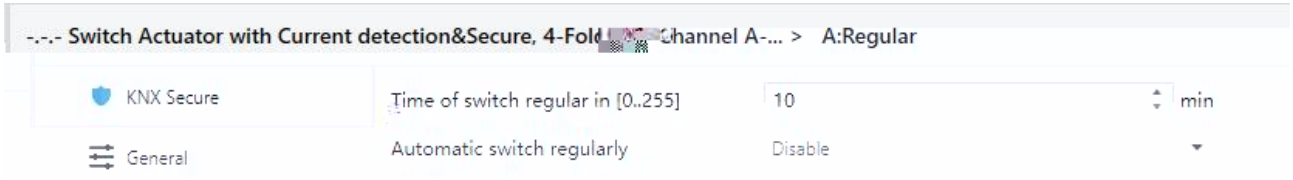
-.-.- Switch Actuator with Current detection&Secure, 4-Fold ... Channel A-... > A:Regular
KNX Secure
Time of switch regular in [0..255]
10
min
General
Automatic switch regularly
Disable

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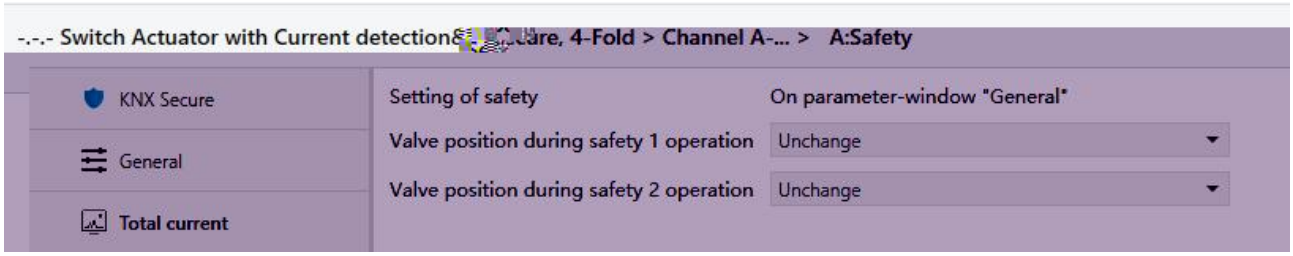
-.-.- Switch Actuator with Current detection
are, 4-Fold > Channel A-... > A:Safety
KNX Secure
General
Total current
Setting of safety
On parameter-window "General"
Valve position during safety 1 operation
Unchange
Valve position during safety 2 operation
Unchange

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1	General	in operation			1 bit	C	R	-	-	-	switch	Low
2	General	Safety, priority 1			1 bit	C	-	W	-	U	enable	Low
3	General	Safety, priority 2			1 bit	C	-	W	-	U	enable	Low

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
4	Output A-...	Switch status			1 bit	C	R	-	T	-	switch	Low
5	Output A-...	Switch			1 bit	C	-	W	-	-	switch	Low

10 Output A-... Recall preset 1 bit C - W - - scene Low
11 Output A-... Store preset 1 bit C - W - - scene Low

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12 Output A-... Input 1 of logic 1 bit C - W - - boolean Low

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14	Output A-...	Scene	1 byte	C	-	W	-	-	scene control	Low

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15	Output A-...	Change threshold 1	1 byte	C	-	W	-	-	counter pulses (0..255)	Low
16	Output A-...	Threshold input	1 byte	C	-	W	-	-	counter pulses (0..255)	Low

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17	Output A-...	Forced operation	1 bit	C	-	W	-	switch	Low
17	Output A-...	Forced operation	2 bit	C	-	W	-	switch control	Low

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
6	Output A-...	Status (continuous),1 bit			1 bit	C	R	-	T	-	switch	Low
14	Output A-...	Status (continuous),1 byte			1 byte	C	R	-	T	-	percentage (0..100%)	Low
15	Output A-...	Continuous control			1 byte	C	-	W	-	-	percentage (0..100%)	Low

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	k			k	

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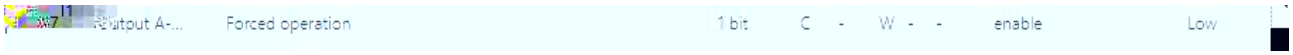

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
172	Total current	Total active energy(Wh)			4 bytes	C	R	W	T	-	active energy (Wh)	Low
173	Total current	Value of total current(mA)			2 bytes	C	R	-	T	-	current (mA)	Low
174	Total current	Exceedance of total load			1 bit	C	R	W	T	-	switch	Low

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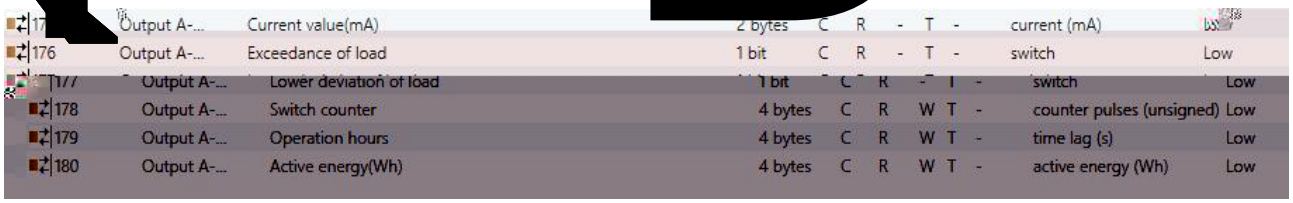

176	Output A-...	Exceedance of load	1 bit	C	R	-	T	-	switch	Low
178	Output A-...	Switch counter	4 bytes	C	R	W	T	-	counter pulses (unsigned)	Low
179	Output A-...	Operation hours	4 bytes	C	R	W	T	-	time lag (s)	Low
180	Output A-...	Active energy(Wh)	4 bytes	C	R	W	T	-	active energy (Wh)	Low

178	Output A-...	Switch counter	2 bytes	C	R	W	T	-	pulses	Low
179	Output A-...	Operation hours	2 bytes	C	R	W	T	-	time (h)	Low

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