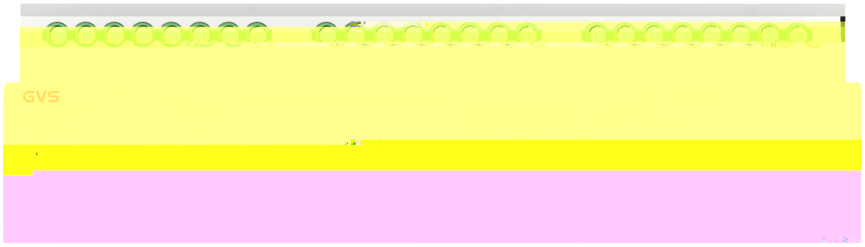
K-BUS

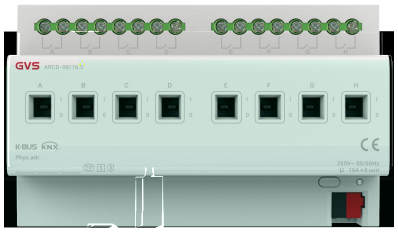
,4/8/12- 1.3

-04/16.

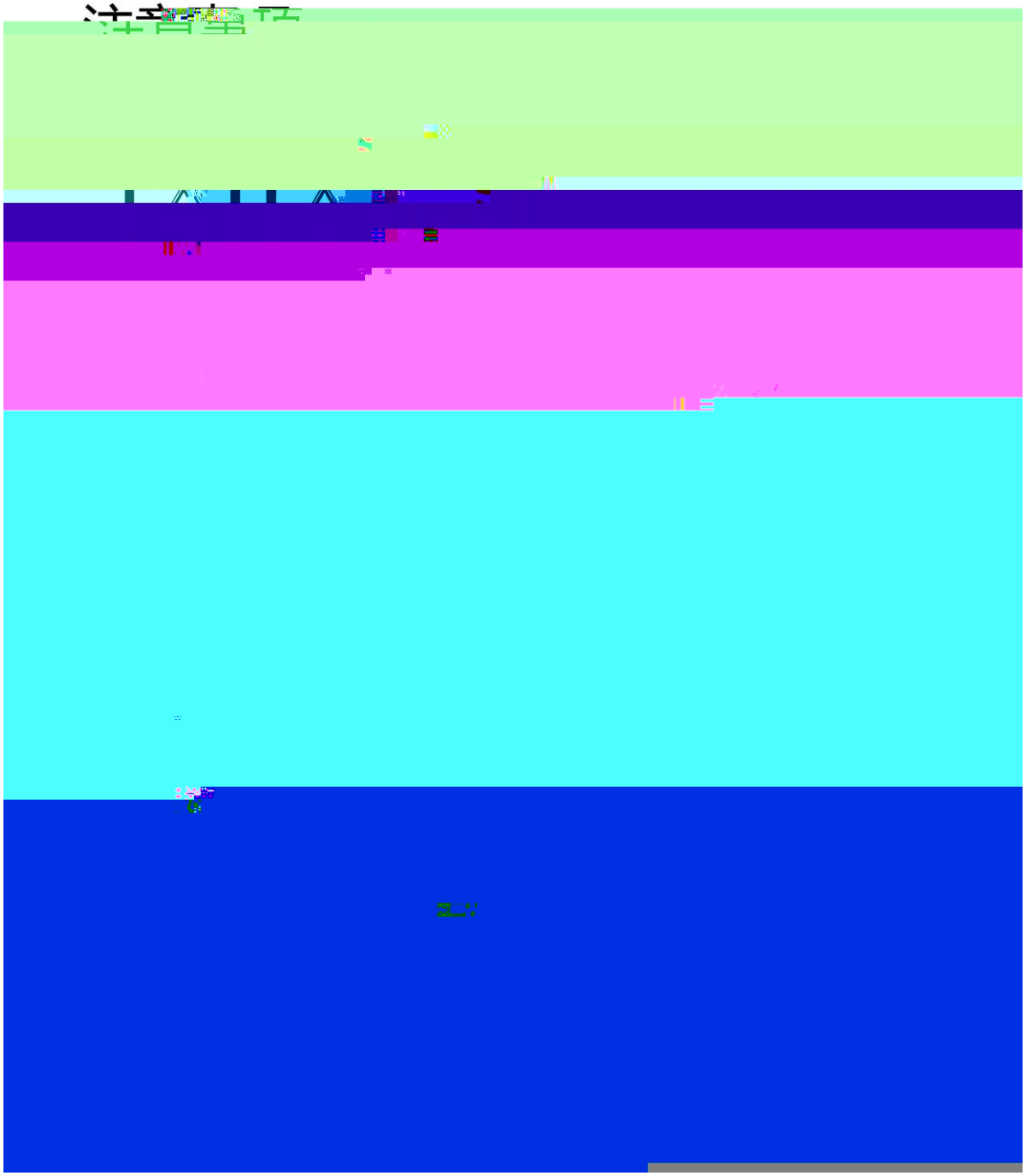
-08/16.

-12/16.





/



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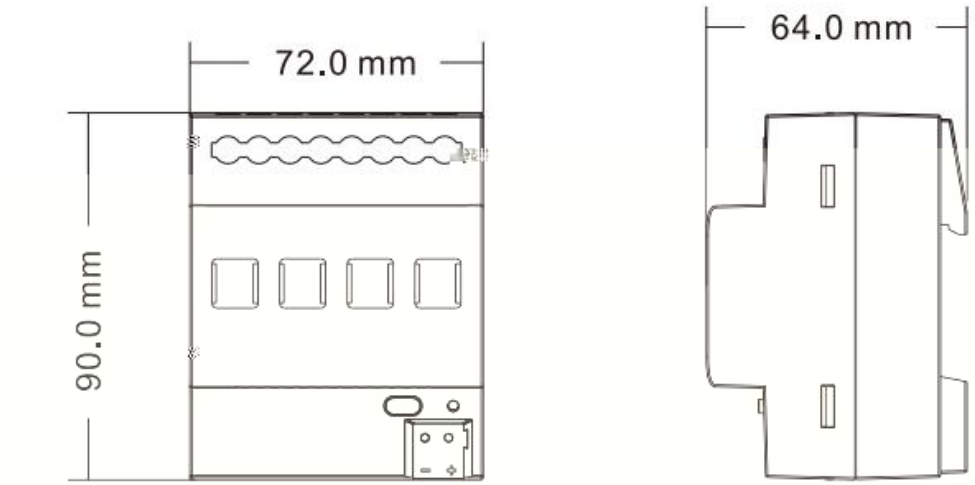
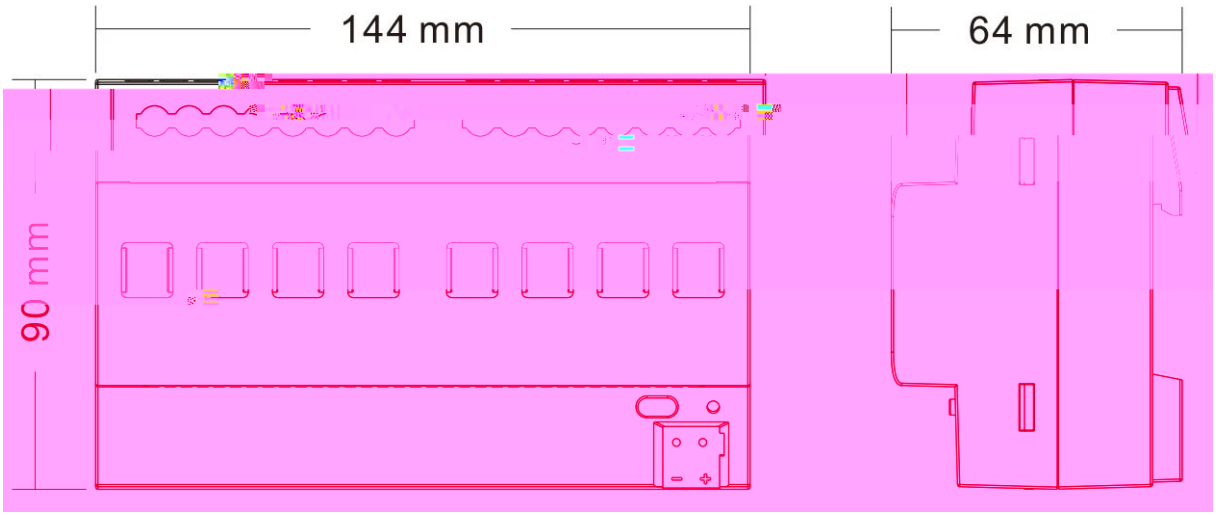
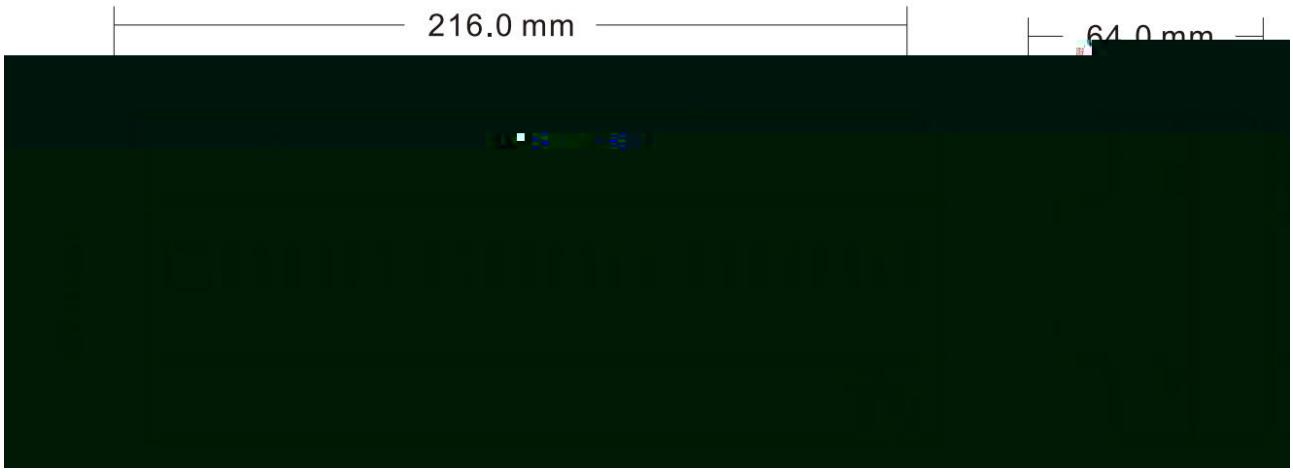
.. - -

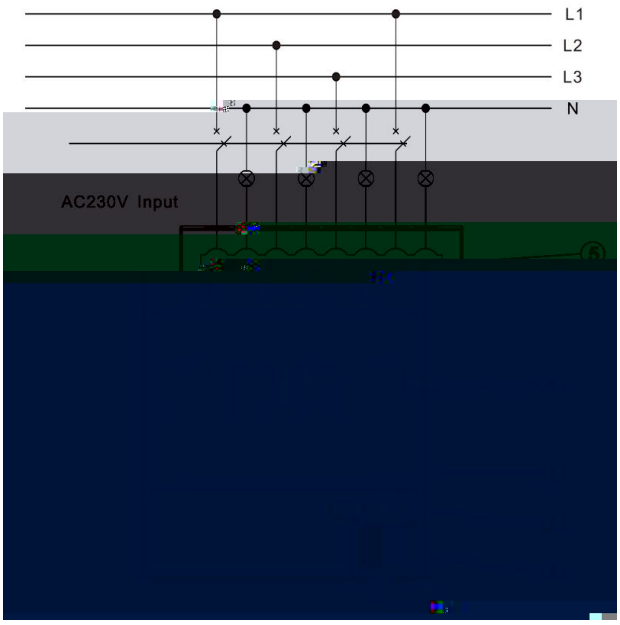
3.1

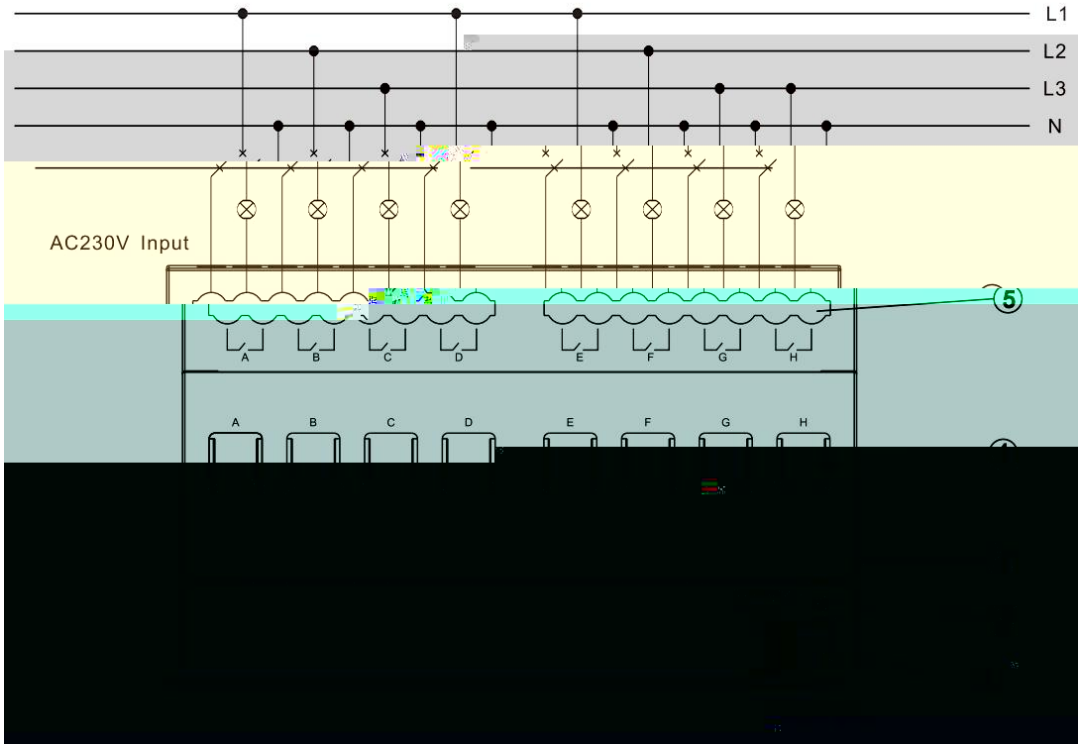


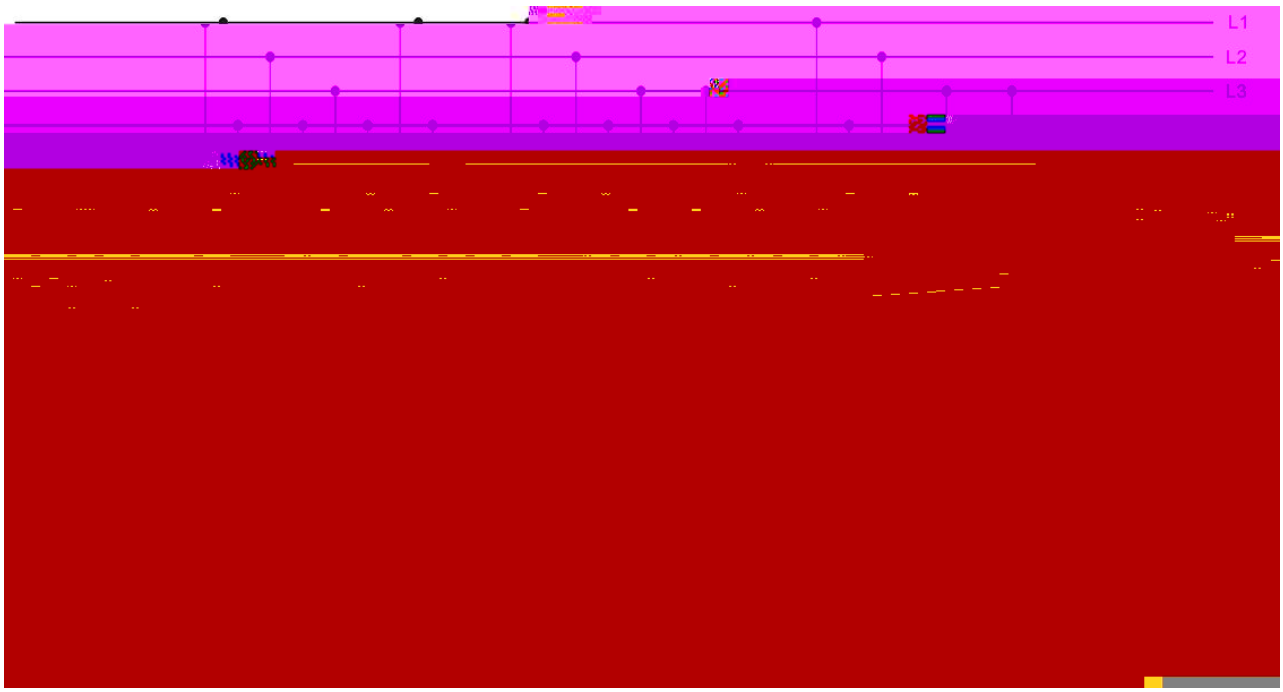




3.2




L1
L2
L3
N
AC230V Input
5
A
B
C
D
E
F
G
H
A
B
C
D
E
F
G
H


L1
L2
L3

F

F

ㅓ

ㅓ

ㅋ

4 4 3

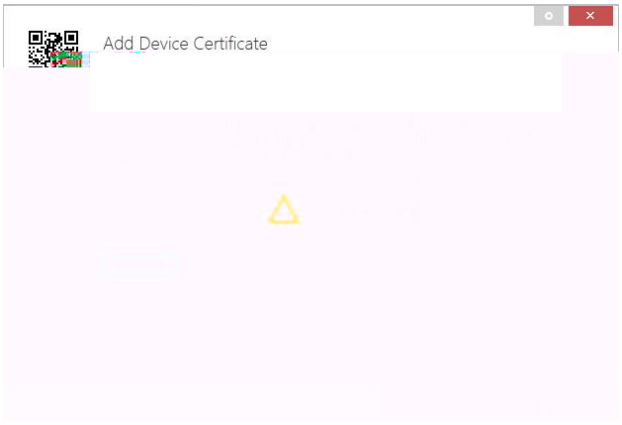
❖ k

k

❖ k

✧ k

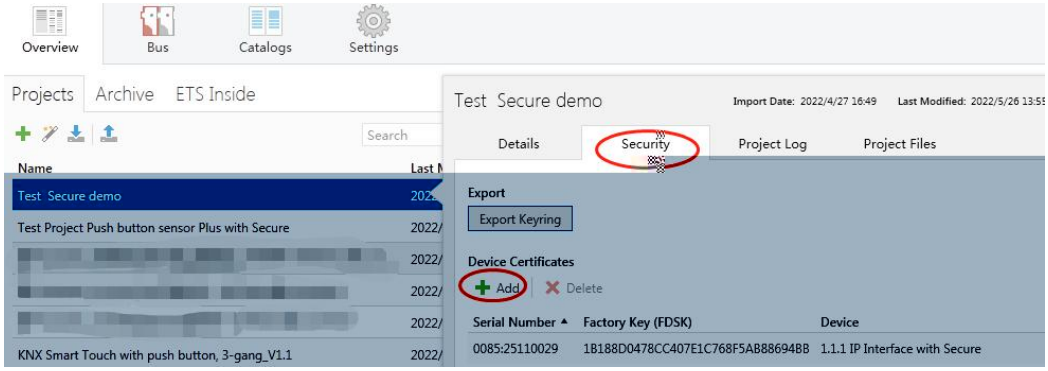
k

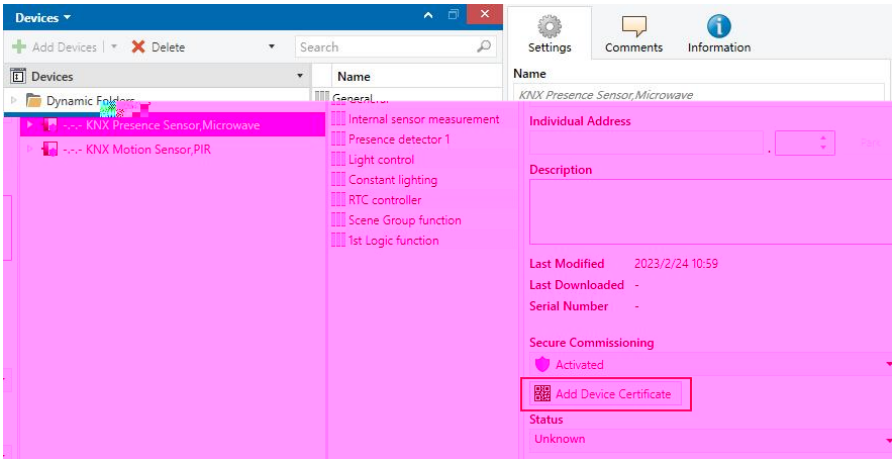


✧ k

k

k


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

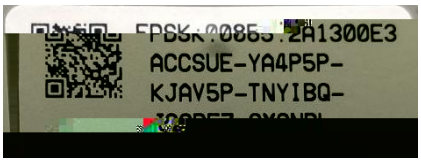

Devices
Add Devices
Delete
Search
Devices
Name
Dynamic Folders
-.-.- KNX Presence Sensor,Microwave
-.-.- KNX Motion Sensor,PIR
Internal sensor measurement
Presence detector 1
Light control
Constant lighting
RTC controller
Scene Group function
1st Logic function
Settings
Comments
Information
Name
KNX 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

✧ k

k

k

k


ACCSUE-YA4P5P-
KJAV5P-TNYIBQ-

k

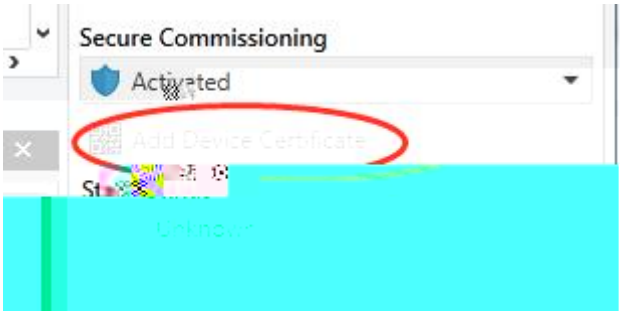
k


The device in the programming mode is not the same as the device previously programmed with address 1.1.8. If the device
Yes
No

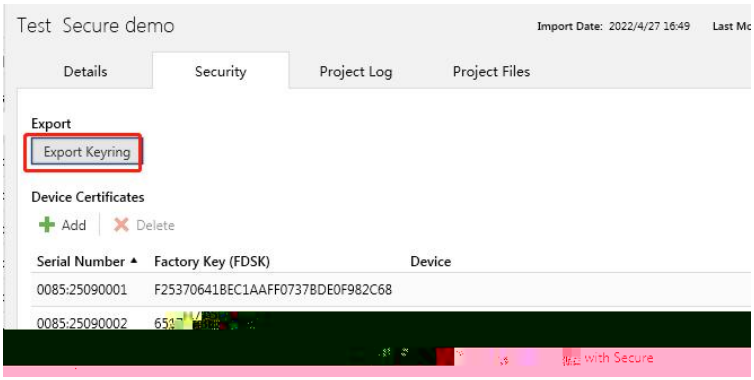

Device is secured with a key not known...
If you are sure you opened the correct...
you can get access again by performin...
Download(All): Failed
Device is secured with a key not known within this project.
If you are sure you opened the correct project and have the device certificate available, you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

k

k


Secure Commissioning
Activated
Add Device Certificate

k


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

,

k

4.2

1.

k k

k k

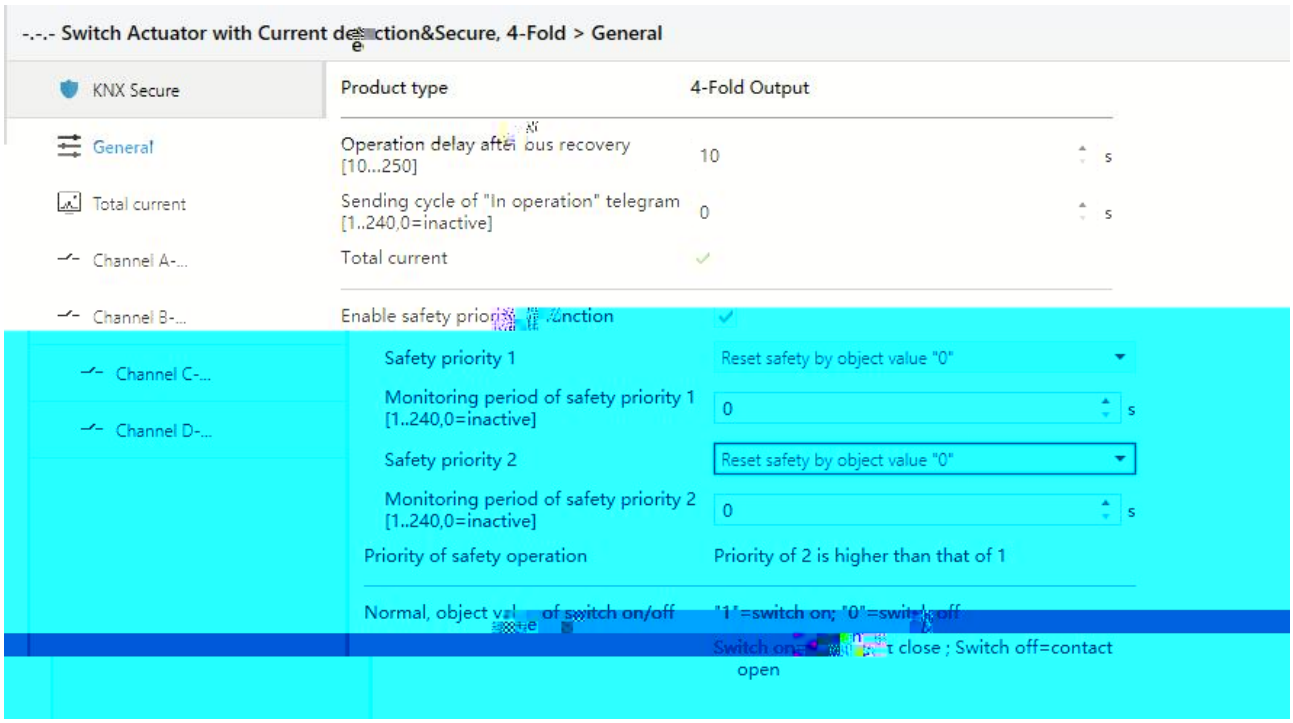
2.

k

k k

4.3

k k



k

4- **-04/16.**

8- **-08/16.**

12- **-12/16.**

10...250

k k

10...250

k

k

k

1...240, 0

k

k

k

0 ..240 0

k

k

k

k

, 1, 2

k

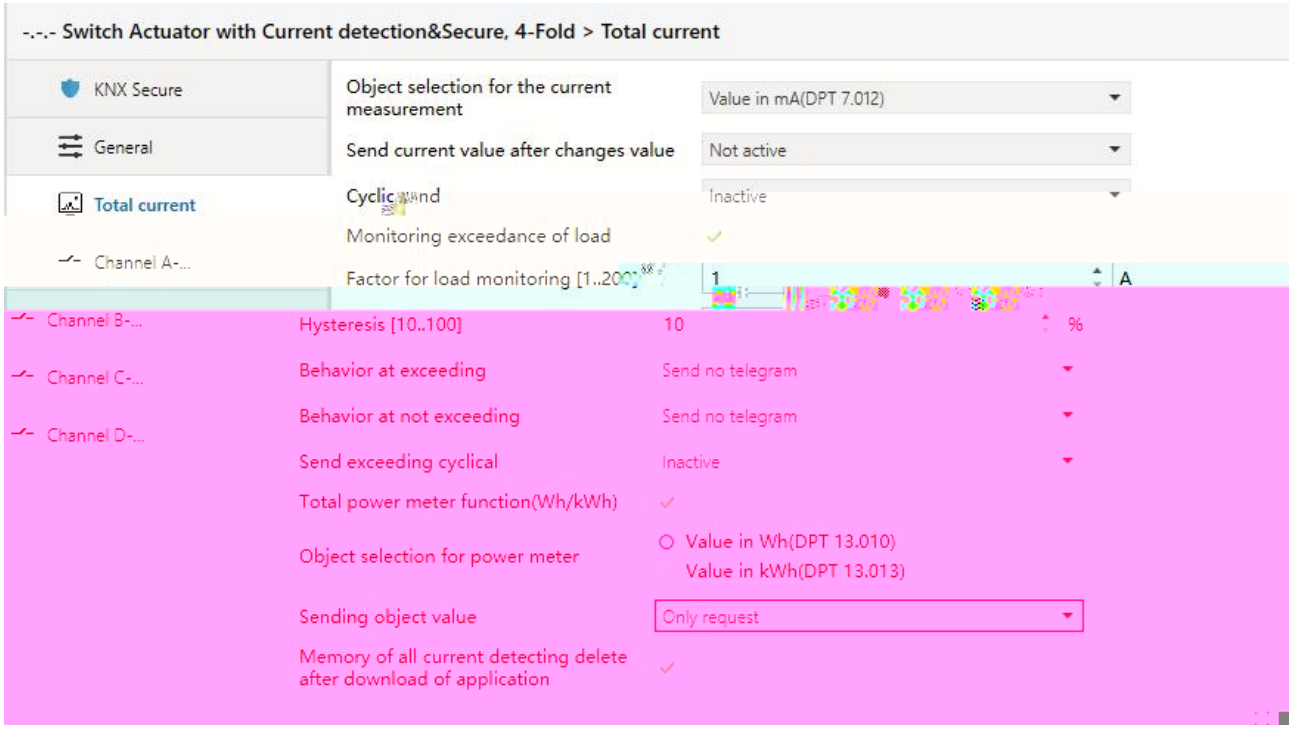
k

k

k

4.3.1

k k


-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Total current
KNX Secure
General
Total current
Channel A-...
Channel B-...
Channel C-...
Channel D-...
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
A
Hysteresis [10..100]
10
%
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
Inactive
Total 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
Memory of all current detecting delete after download of application

k

(7.012)

(.021)

(14.01)

(.024)

k

k **100...250**

k

k

1%

2%

...

70%

k

k

10

...

0

120

k k

k

1...200

k **1...200**

10...100 %

k **10...100**

k

Z k

k

10

20

....

120

k k k

(/)

k

(/)

k

(13.010)

(13.013)

k

k

10

30

1

3

6

12

24

k

k

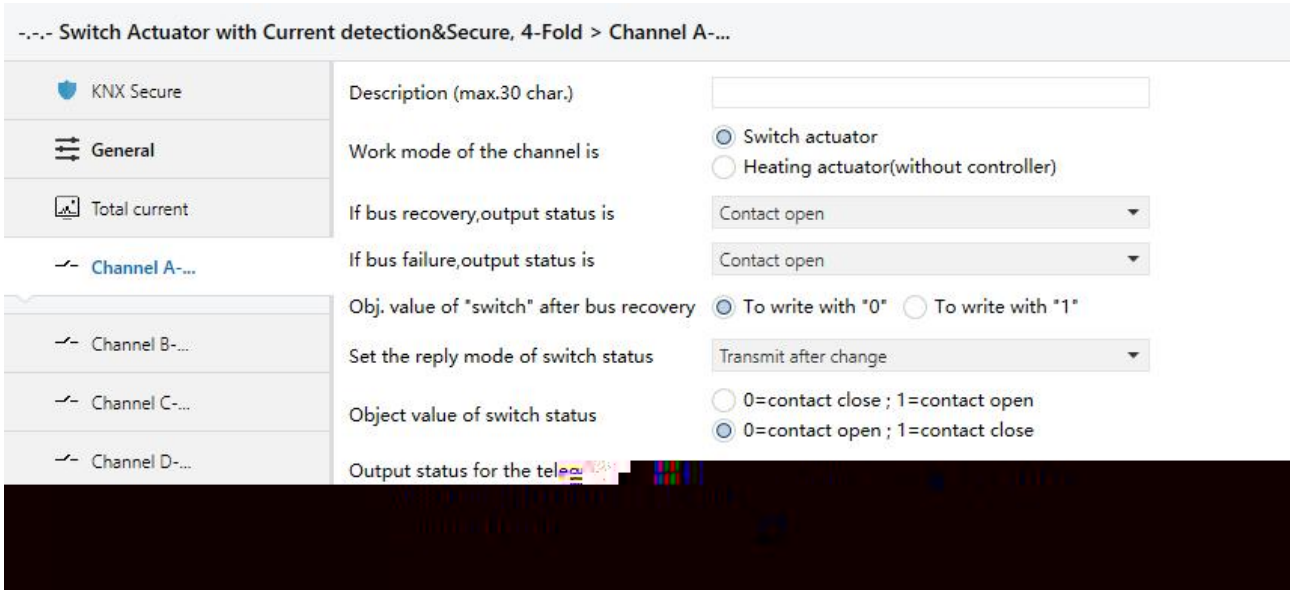
k

4.4

k k

k

k



k

k

(. 30 .)

k

k

( )

k k

! ! k k

k

k k

k

k

k

k

k

k

k

0

1

k

k

k

k

k

0 **1**

0 **1**

k

1 (0)

k

k

k

k

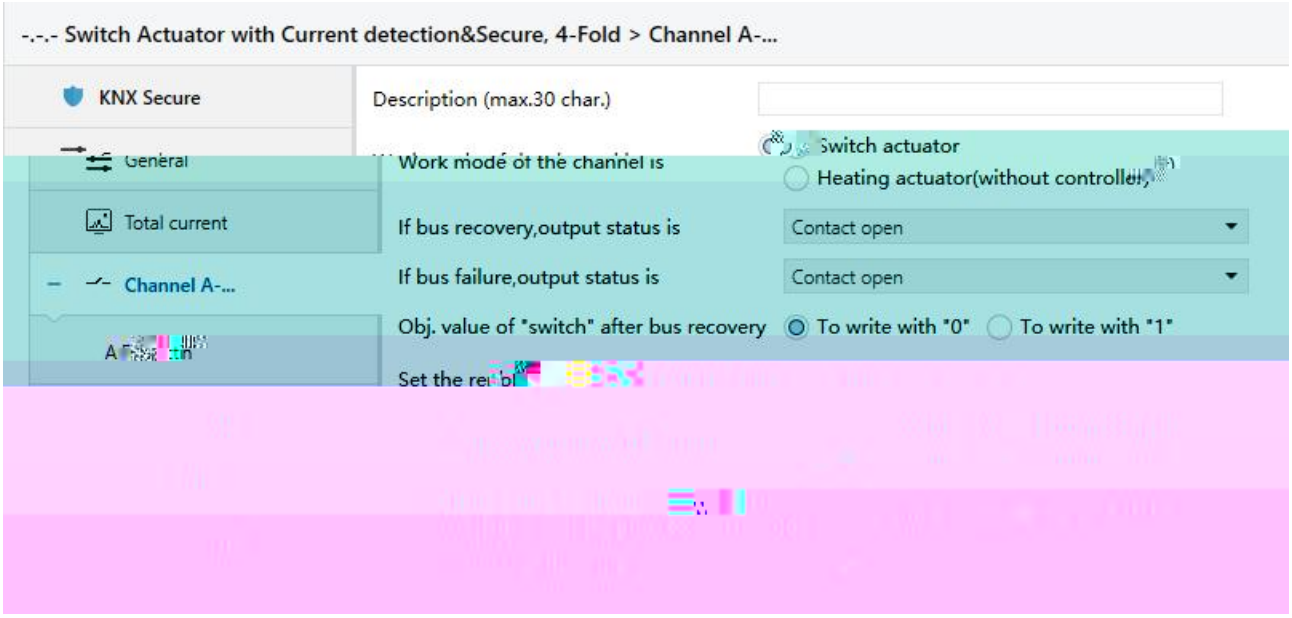
k

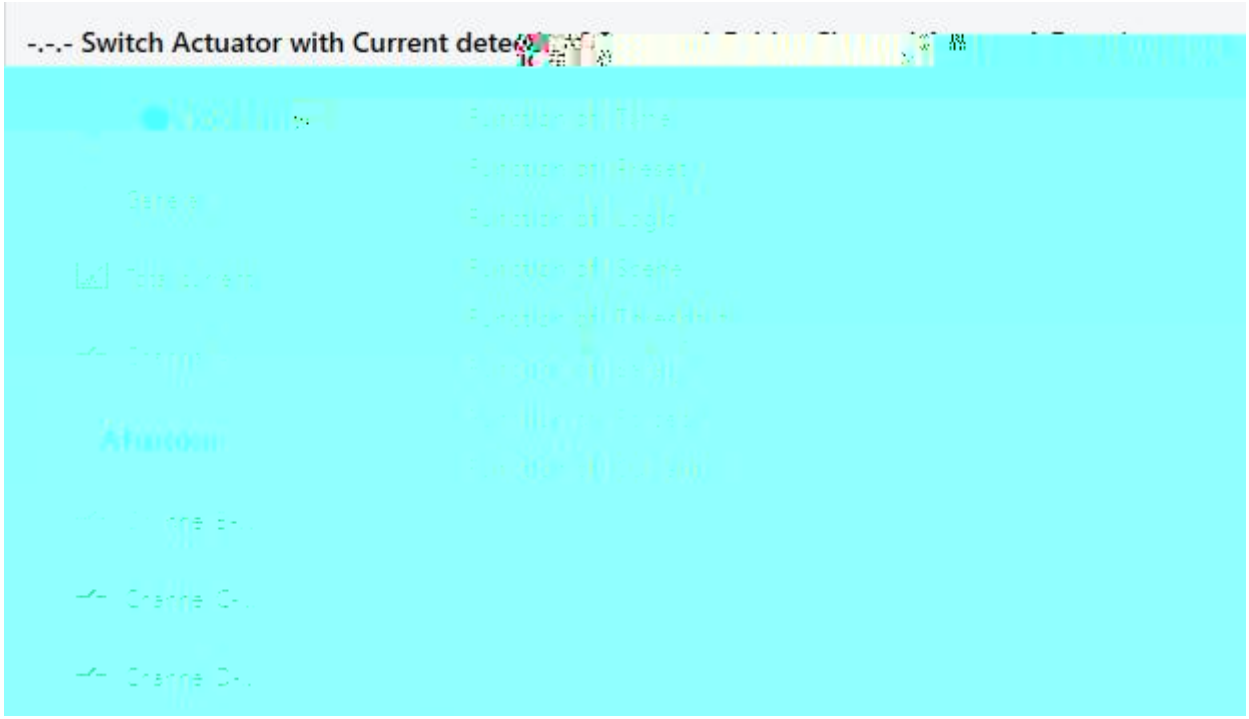
k

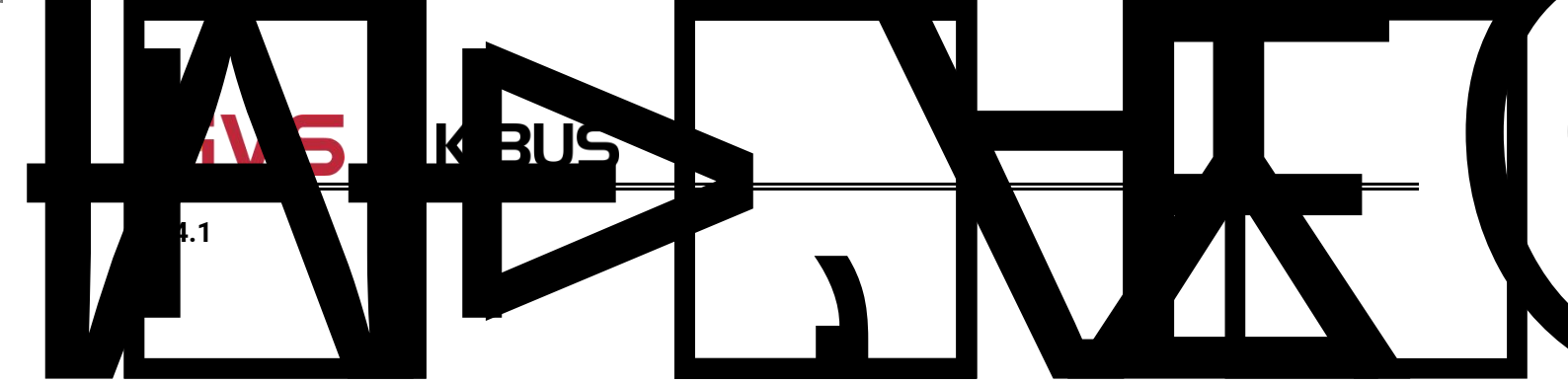
k

k

k


-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-...
KNX Secure
General
Total current
Channel A-...
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"

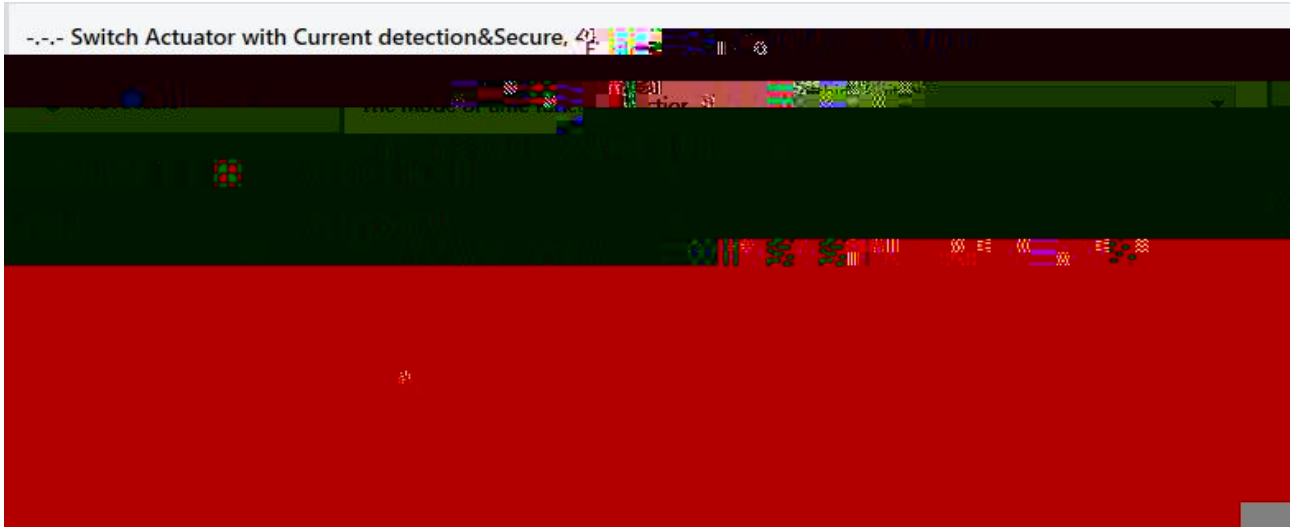

-.-.- Switch Actuator with Current dete



4.1

4.4.1.2

k



k

k

k

k

( ) --(0..240) / -- (0..5)

k

0 240

0 5

( ) --(0..240) / -- (0..5))

k

0 240

0 5

k

k **k**

- (1..255 0)

k 0...255

k

k

1 , 0

0 , 1

0/1 ,

k

k

k

k

4.4.1.3

k

k

0..5

k k 0 5

(0..6005)

k k

4.4.2

k

k

k

k

0

k

1

k

0

k

k

k

k

k

k

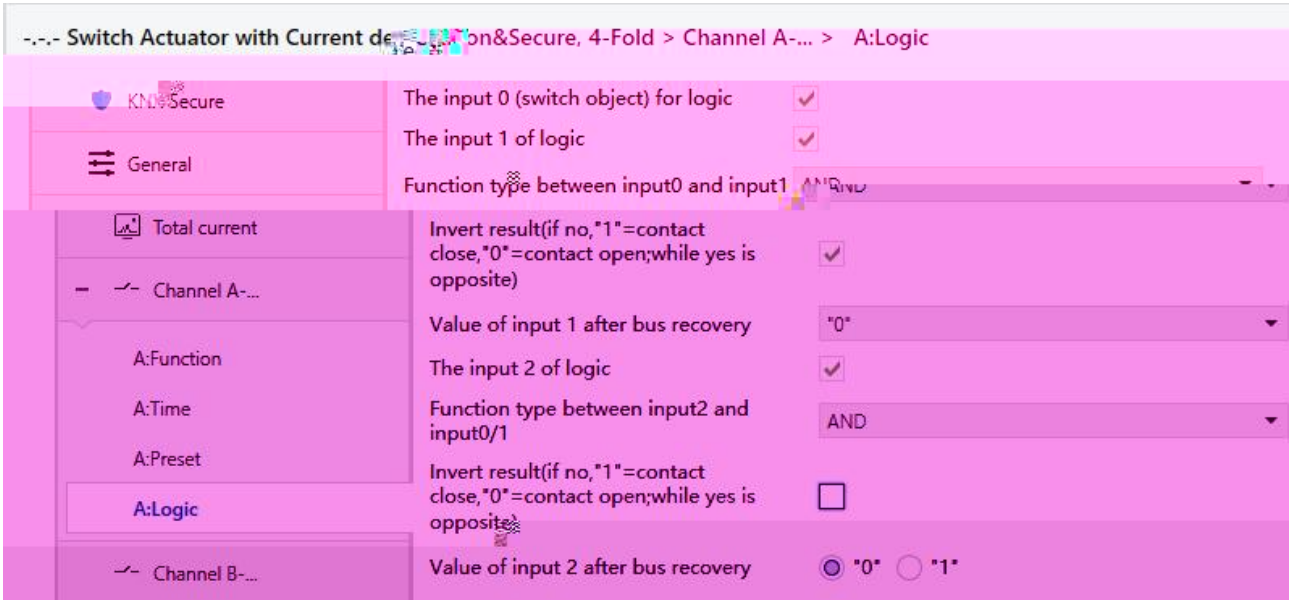
k

k

k

4.4.3

k



k

k

k

k

0 ( )

k k

(1, 2)

k

(,"1" ,"0")

k

1

k

0

1

k

k

2

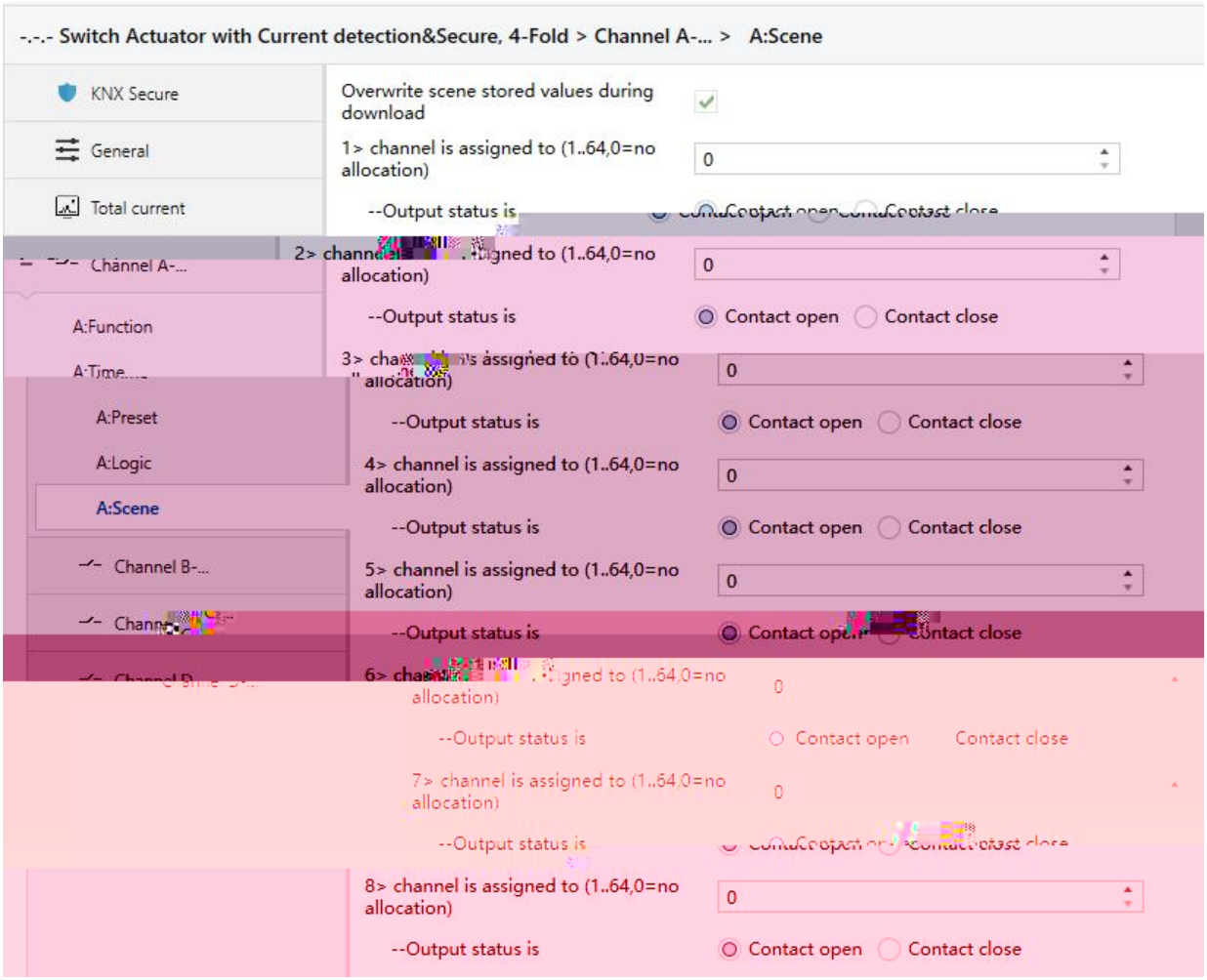
k

0

1

4.4.4

k


-.-.- 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
Contact open
Contact close
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

k

k

k

(1...64 ,0) (1 8)

k k 1... 64 0

1 64 k 0..63 k

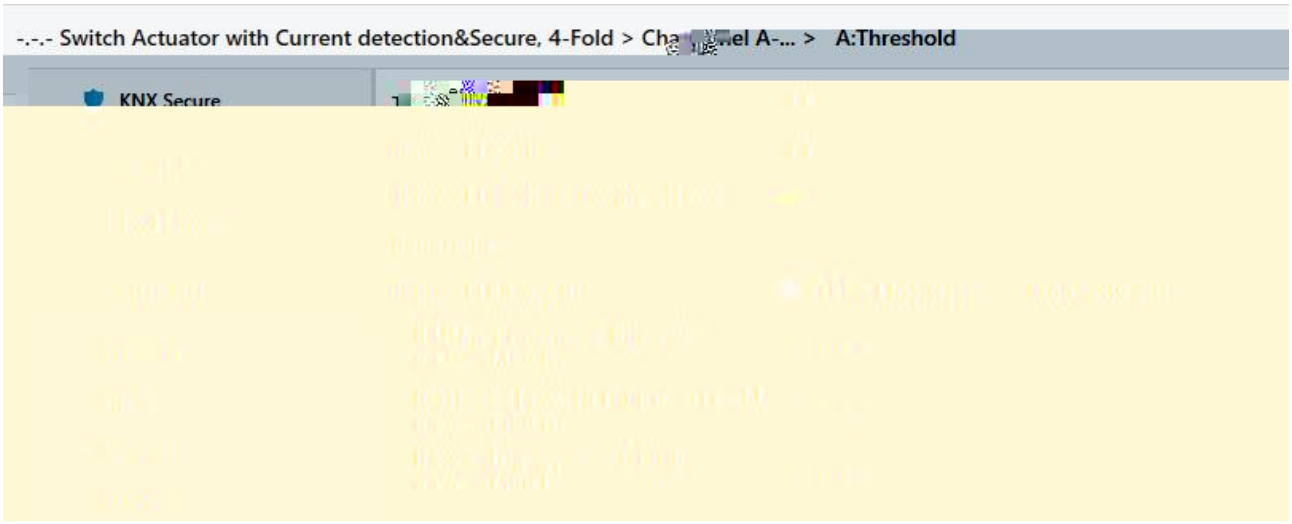
k

---

k

4.4.5

k



k

k

k k

1

2

k **0....255**

1 **2**

1

k

k

k

2 **2** **k**

k

k

,

,

,

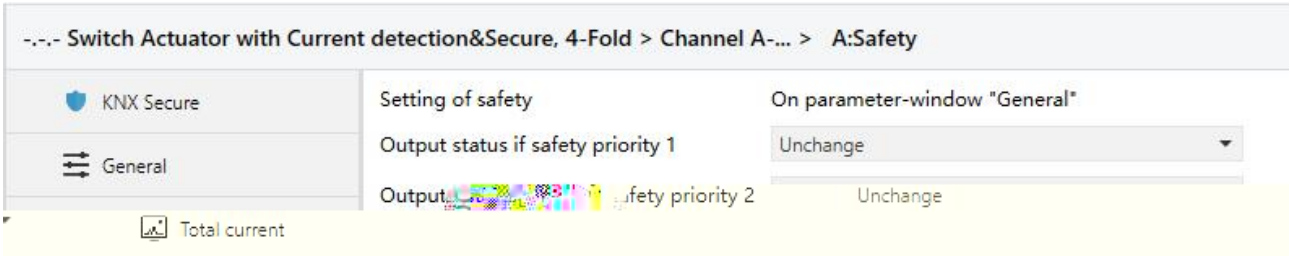
!

k

k

4.4.6

k



k

k

k

k

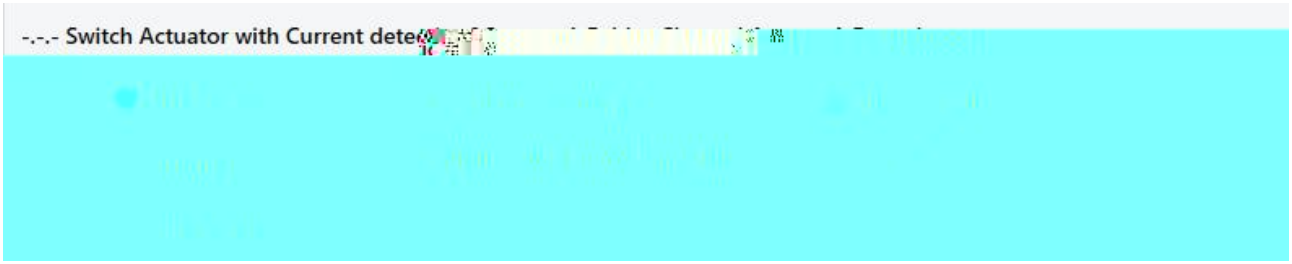
(1,2)

k

k

4.4.7

k



k

k

k

k

1

2

k

k

k

k

k

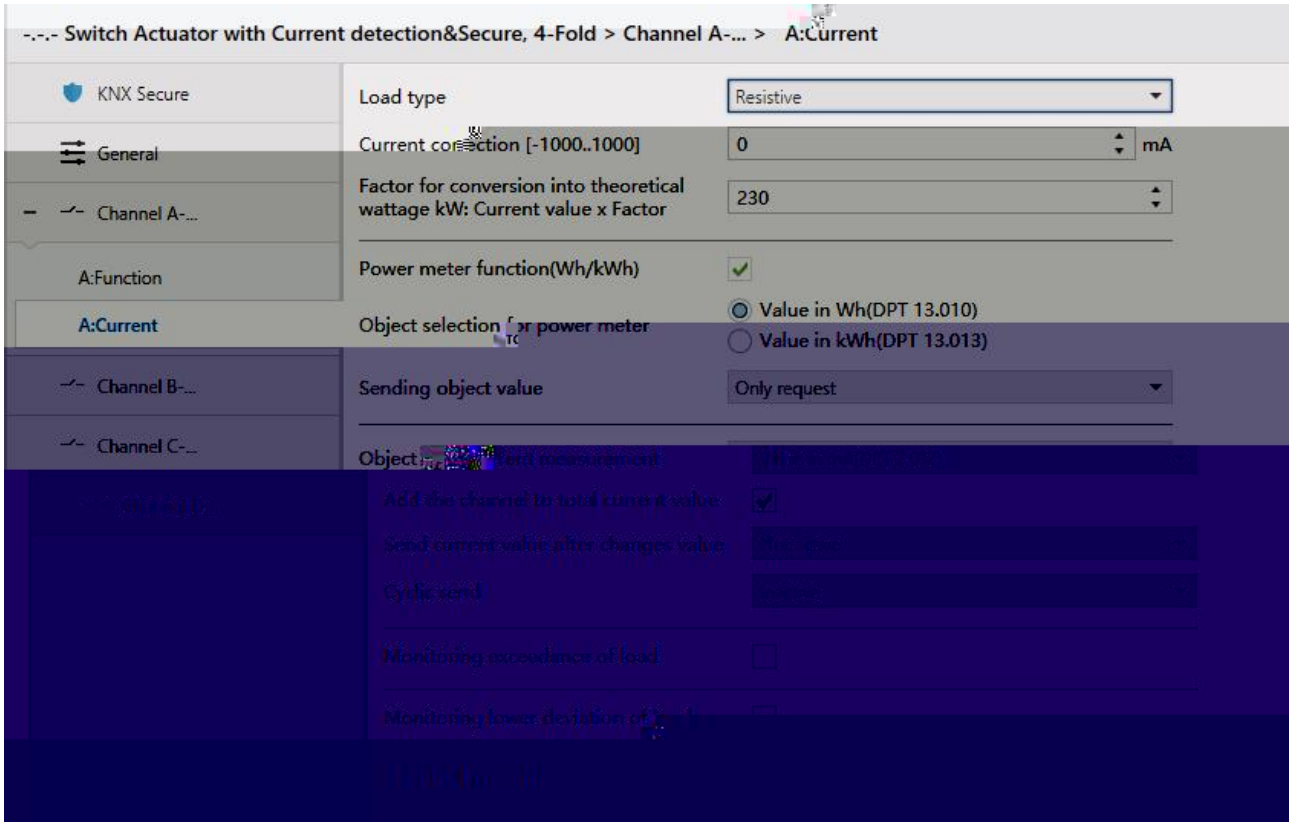
k

,

k

4.4.8

k



k

-1000..1000

k **-1000..1000**

k **100...250**

k

(/)

k

(/)

k

(13.010)

(13.013)

k

k

10

30

1

3

6

12

24

k

k

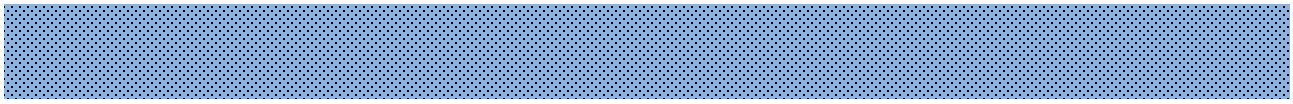
(7.012)

(.021)

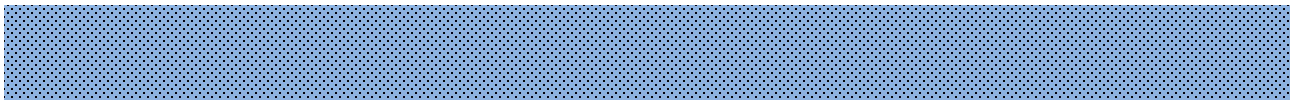
(14.01)

(.024)

k



k



k

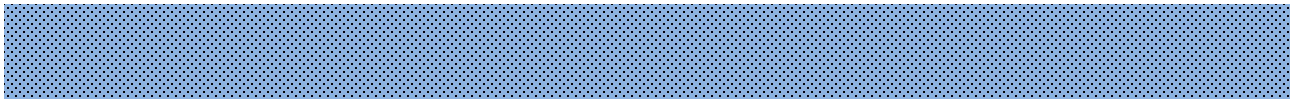
1%

2%

...

70%

k



k

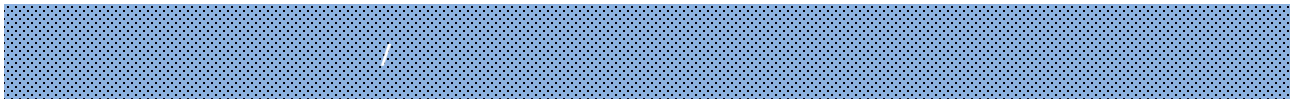
10

20

...

120

k k



k

/

1...200 *100

1...2

10...100 %

k

10...100

k

k

k

/

k

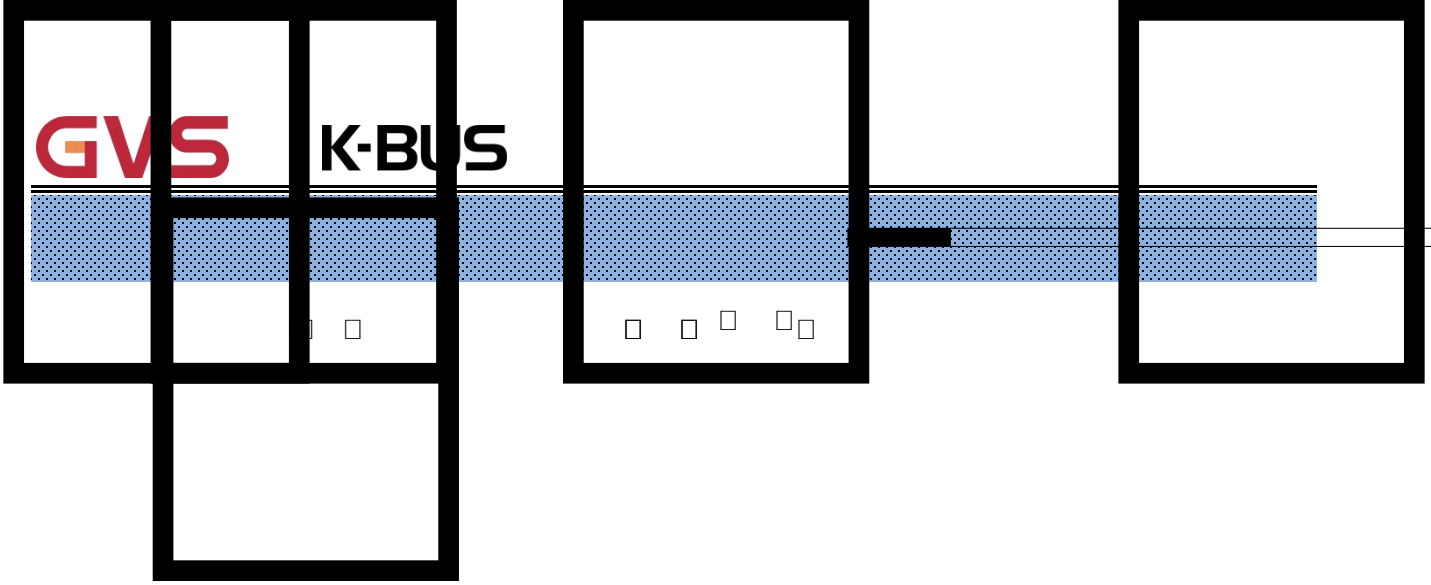
k

k

k

10

,


GVS
K-BUS

100

200

500

1

2

5

k

0...100

k **0..100**

k

k

4.5

k

k

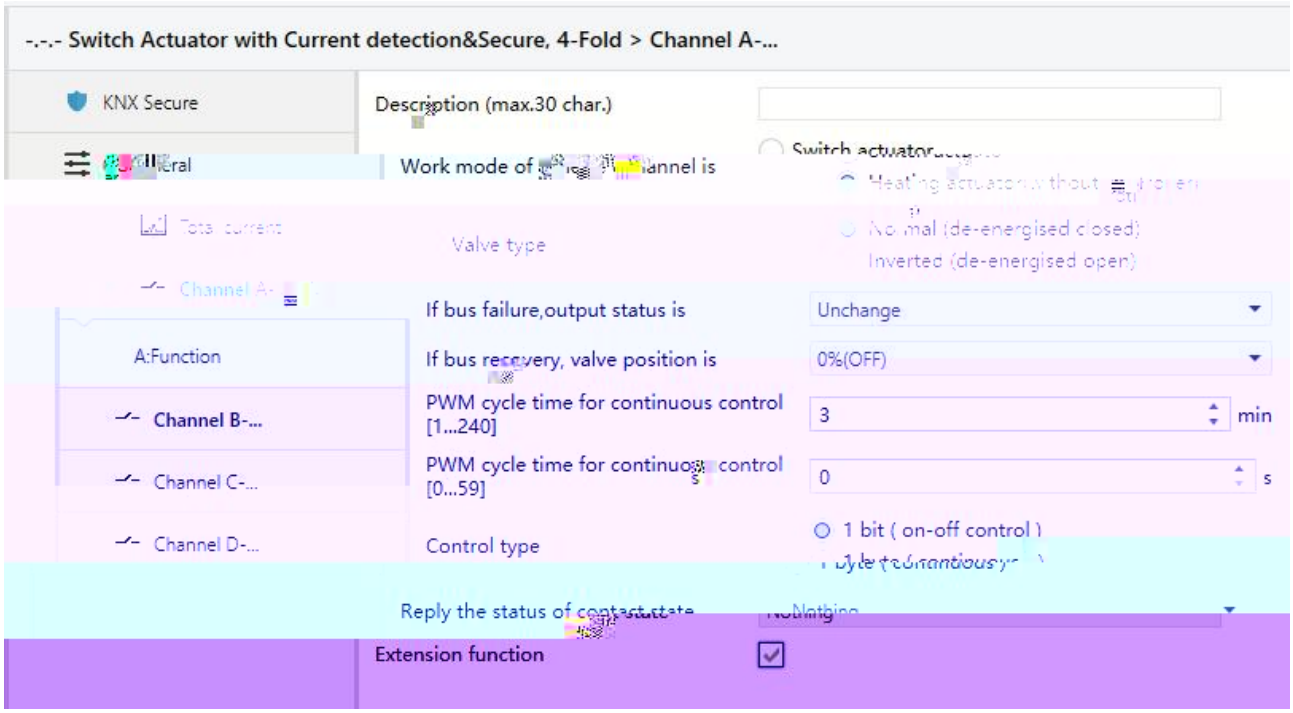
k

k

k

k

k


-.-.- Switch Actuator with Current detection&Secure, 4-Fold > Channel A-...
KNX Secure
Description (max.30 char.)
Work mode of
annel is
Valve type
Normal (de-energised closed)
Inverted (de-energised open)
If bus failure,output status is
Unchange
A:Function
If bus recovery, valve position is
0%(OFF)
Channel B-...
PWM cycle time for continuous control [1...240]
3
min
Channel C-...
PWM cycle time for continuous control [0...59]
0
s
Channel D-...
Control type
1 bit (on-off control)
Reply the status of contact state
Extension function

1...240

0...5

k k

1...240

0...5

k

1 ( ) ! !

k

k

1 (-)

1 ( )

k k

k

k

k

k

k

k

k

, 0% 0 , 1 (1)

, 0% 1 , 0 (1)

, (1)

k

1 0

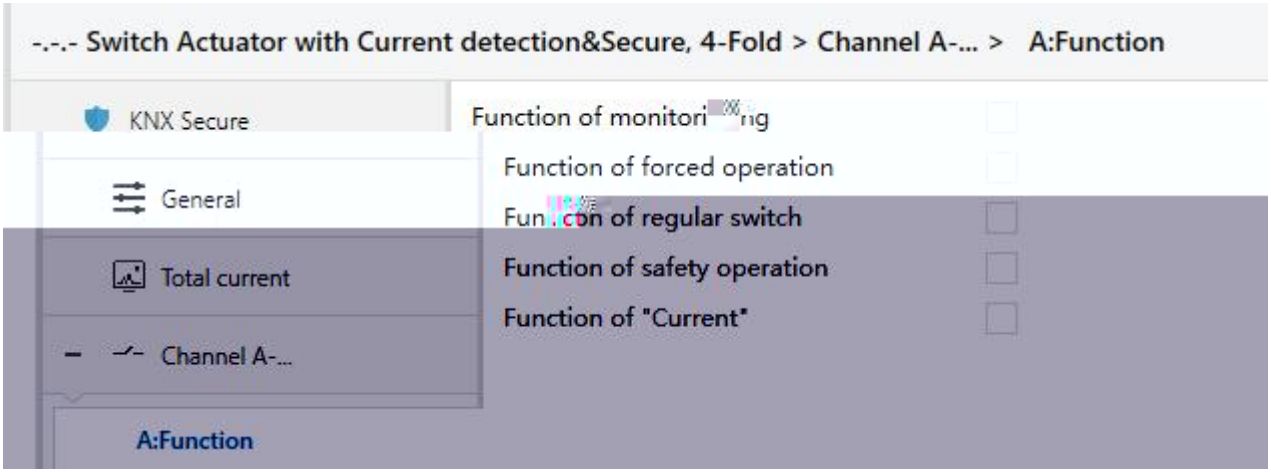
0 1

k

k

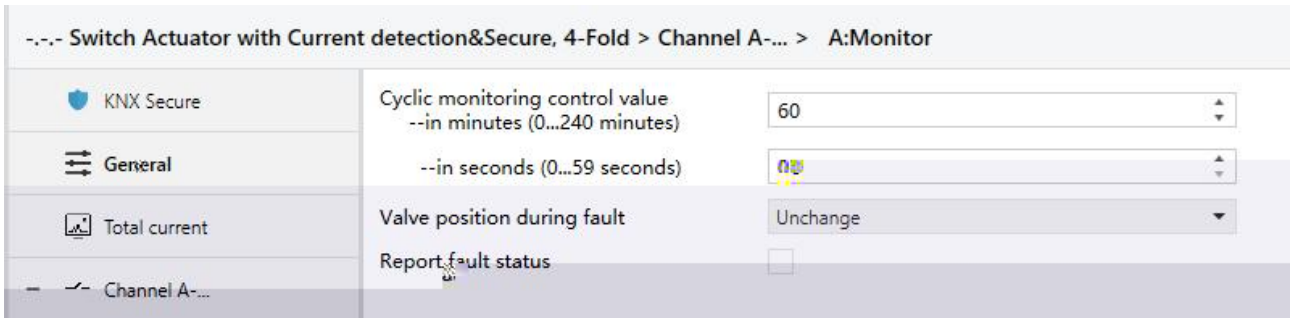
k

k


-.-.- 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"

4.5.1

k



--	(0...240)
---	(0...5)

k

k

k

k k

0...240

0...5

k

k

k

k

k

0 % ( )

10 % (26)

...

4.5.2

k

k

k

k

k

k

k

k

0 % ( )

10 %(26)

...

0 %(230)

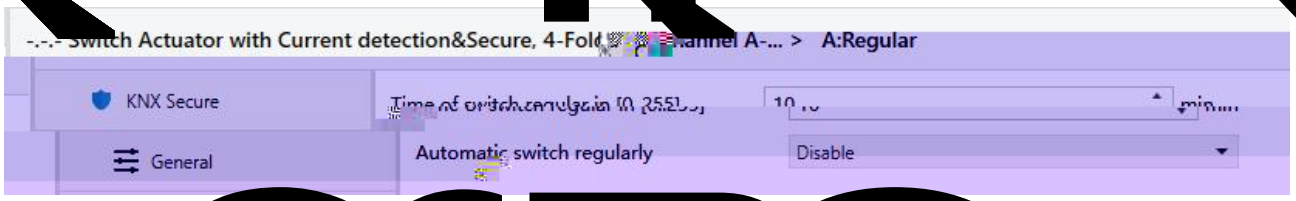
100 % ( )

k

k

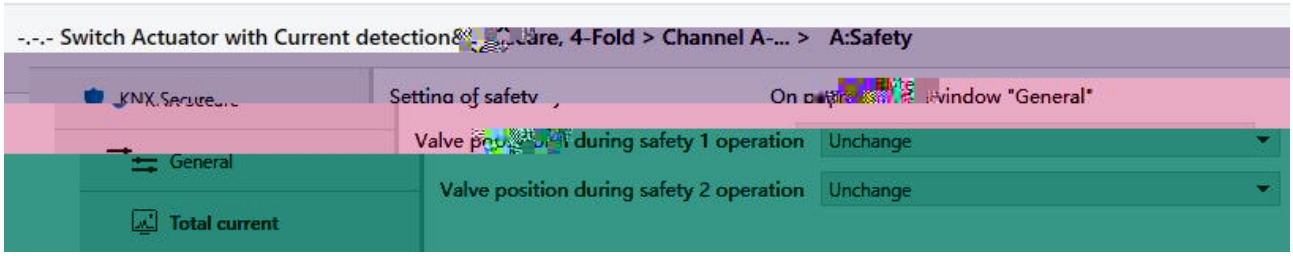
k

k **k**


Switch Actuator with Current detection&Secure, 4-Fold
A:Regular
KNX Secure
General
Automatic switch regularly
Disable

4.5.4

k



k

k

k

k

k

(1.2)

k

k

0 % ( )

10 %(26)

...

0 %(230)

100 % ( )

k

k

k

k

k

5.2

5.2.1

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

5.2.3

10		**- ...**	**1**	**,**	**1.022**
k					
11		**- ...**	**1**	**,**	**1.022**
k k					

5.2.4

12	**1**	**- ...**	**1**	**,**	**1.002**
k					
13	**2**	**- ...**	**1**	**,**	**1.002**
k					

5.2.5

14 - ... 1 , 18.001

k k

k

k

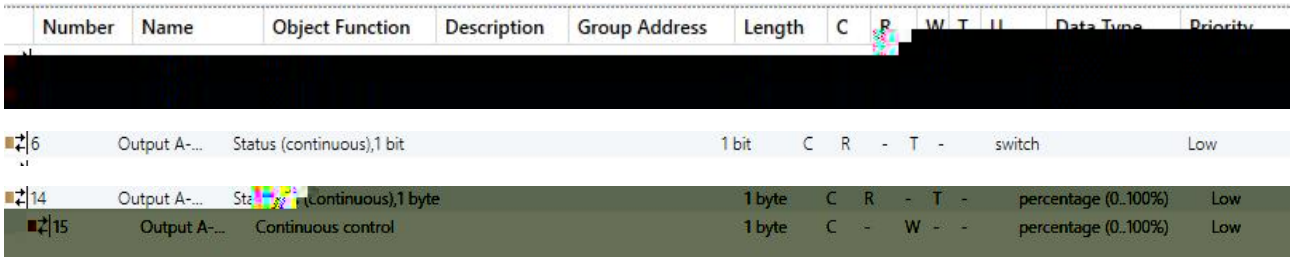
□ □

5.2.7

17		**- ...**	**1**	**,**	**1.001**
k k					
17		**- ...**	**2**	**,**	**2.001**
k k					

5.3

5.3.1



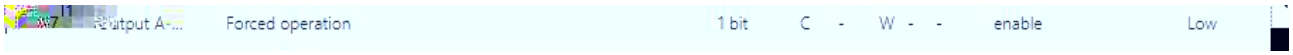
Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
6	Output A-...	Status (continuous),1 bit			1 bit	C	R	-	T	-	switch	Low
14	Output A-...	Sta...(continuous),1 byte			1 byte	C	R	-	T	-	percentage (0..100%)	Low
15	Output A-...	Continuous control			1 byte	C	-	W	-	-	percentage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

4 - ... 1 , , 1.001

5.3.2

8		- ...	**1**	, ,	**1.005**
k k					

5.3.3

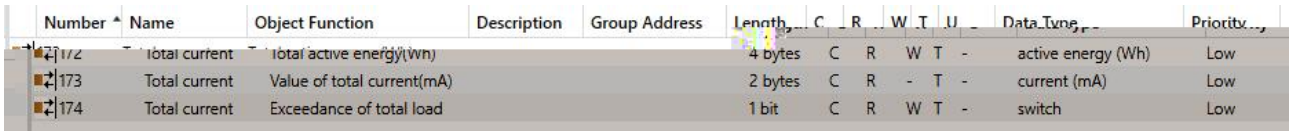


17	,	- ...	**1**	,	**1.003**
k k					

5.3.4

11		- ...	**1**	,	**1.003**
k k k					

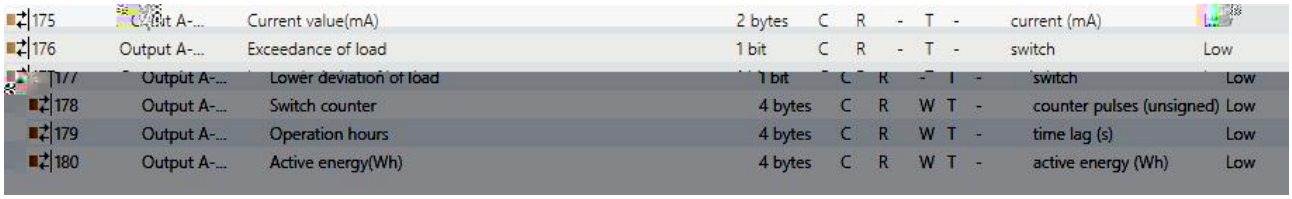
5.4



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

172	(/)		**4**	, , ,	**13.010** ( ) **13.013** ( )
k					
173			**2** **2** **4** **4**	, ,	**7.012** ( ) **.021** ( ) **14.01** ( ) **.024** ( )
k					
174			**1**	, , ,	**1.001**
k k					

5.5



175	**( )**	**- ...**	**2** **2** **4** **4**	**, ,**	**7.012 ( )** **.021 ( )** **14.01 ( )** **.024 ( )**
k					
176		**- ...**	**1**	**, ,**	**1.001**
k					
k					
177		**- ...**	**1**	**, ,**	**1.001**
k					
k					
k					
178		**- ...**	**2** **4**	**, , ,**	**7.001** **12.001**
k					
17		**- ...**	**2** **4**	**, , ,**	**7.007 ( )** **13.100 ( )**
k					
180	**(/)**	**- ...**	**4**	**, , ,**	**13.010 ( )** **13.013 ( )**
k					

k

! !

k

/ /

k k

k

/

k