

TEMP_CONV

```
FUNCTION_BLOCK TEMP_CONV
VAR_INPUT
    IN: UINT;
END_VAR
VAR_OUTPUT
    TEMP: REAL;
END_VAR
VAR
END_VAR
```

```
TEMP:= (IN/57.0)-70.0;
```

```
1 FUNCTION_BLOCK TEMP_CONV
2 VAR_INPUT
3     IN: UINT;
4 END_VAR
5 VAR_OUTPUT
6     TEMP: REAL;
7 END_VAR
8 VAR
9 END_VAR
```

```
1 TEMP:= (IN/57.0)-70.0;
```

NIVOO

```
FUNCTION_BLOCK NIVOO
VAR_INPUT
    IN: UINT;
END_VAR
VAR_OUTPUT
    NIVOO: INT;
END_VAR
VAR
END_VAR
```

```
NIVOO:= IN/50;
```

```
1 FUNCTION_BLOCK NIVOO
2 VAR_INPUT
3     IN: UINT;
4 END_VAR
5 VAR_OUTPUT
6     NIVOO: INT;
7 END_VAR
8 VAR
9 END_VAR
```

```
1 NIVOO:= IN/50;
```

IMPULSSRELEE

```
FUNCTION_BLOCK IMPULSSRELEE
VAR_INPUT
    IN: BOOL;
    RESET: BOOL;
END_VAR
VAR_OUTPUT
    Q: BOOL;
END_VAR
VAR
    X: BOOL;
END_VAR
```

```
IF RESET THEN
    Q:= 0;
ELSIF IN AND NOT X THEN
    Q:= NOT Q;
END_IF
X:= IN;
```

```
1 FUNCTION_BLOCK IMPULSSRELEE
2 VAR_INPUT
3     IN: BOOL;
4     RESET: BOOL;
5 END_VAR
6 VAR_OUTPUT
7     Q: BOOL;
8 END_VAR
9 VAR
10    X: BOOL;
11 END_VAR
```

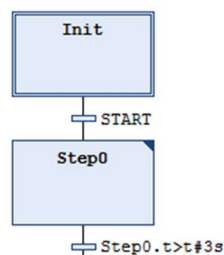
```
1 IF RESET THEN
2     Q:= 0;
3     ELSIF IN AND NOT X THEN
4         Q:= NOT Q;
5 END_IF
6 X:= IN;
```

SFC STEP

```
FUNCTION_BLOCK VIIS_STEP
VAR_INPUT
    START: BOOL;
END_VAR
VAR_OUTPUT
END_VAR
VAR
    A: BOOL;
    B: BOOL;
    C: BOOL;
    D: BOOL;
    E: BOOL;
END_VAR
```

```
Step0.t>t#3s
```

```
1 FUNCTION_BLOCK VIIS_STEP
2 VAR_INPUT
3     START: BOOL;
4 END_VAR
5 VAR_OUTPUT
6 END_VAR
7 VAR
8     A: BOOL;
9     B: BOOL;
10    C: BOOL;
11    D: BOOL;
12    E: BOOL;
13 END_VAR
```



DO

Bit1 – mootor

DI

Bit0 - optiline

Bit1 - induktiivne

AO

AI

Input0 - temp

Input1 – nivoo

SCADA

opc.tcp://192.168.26.93:4840

