

FC23 - <offline>

"Scan active BIT"

Name:	Family:
Author:	Version: 0.1
	Block version: 2
Time stamp Code:	03/12/2014 04:13:29 PM
	Interface: 03/12/2014 04:13:29 PM
Lengths (block/logic/data):	00652 00182 00008

Name	Data Type	Address	Comment
IN		0.0	
i_SOURCEDB	Int	0.0	the source DB
i_OFFSET	Int	2.0	offset value
OUT		0.0	
o_BITACTIVE	Bool	4.0	
o_ACTIVENUMBER	Int	6.0	
IN_OUT		0.0	
TEMP		0.0	
tSourceDB	Word	0.0	
tDBLength	Int	2.0	
tCount	Int	4.0	
t_Number	Int	6.0	
RETURN		0.0	
RET_VAL		8.0	

Block: FC23 Scan active bit

Network: 1

```
//open DB
L      0
T      #t_Number      #t_Number
T      #tCount        #tCount
T      #o_ACTIVENUMBER #o_ACTIVENUMBER
R      #o_BITACTIVE   #o_BITACTIVE

L      #i_SOURCEDB     #i_SOURCEDB      -- the source DB
T      #tSourceDB      #tSourceDB
OPN    DB [#tSourceDB] #tSourceDB

L      DBLG
T      #tDBLength      #tDBLength
```

Network: 2

```
LAR1 P#0.0
L #tDBLength #tDBLength
L 2
/I
next: T #tCount #tCount
L DBW [AR1,P#0.0]
L 0
<>I
JC word
L #t_Number #t_Number
L 16
+I
T #t_Number #t_Number
+AR1 P#2.0
L #tCount #tCount
LOOP next
JU not
```

Network: 3

```
word: NOP 0
a00: A DBX [AR1,P#0.0]
JC bit
L #t_Number #t_Number
L 1
+I
T #t_Number #t_Number
+AR1 P#0.1
JU a00
```

Network: 4

```
bit: L #t_Number #t_Number
L 1
+I
L #i_OFFSET #i_OFFSET -- offset value
+I
T #o_ACTIVENUMBER #o_ACTIVENUMBER
S #o_BITACTIVE #o_BITACTIVE
JU end
not: L 0
T #o_ACTIVENUMBER #o_ACTIVENUMBER
R #o_BITACTIVE #o_BITACTIVE
end: NOP 0
SAVE
CLR
```