SGJT_STRA_PLC_20171212_1636_V15 / PLC01-A101 [CPU 1517-3 PN/DP] / Program blocks / Library / SYC

FDA_16BOOL_TO_INT [FC226]

FDA_16BOOL_TO_INT Properties							
General							
Name	FDA_16BOOL_TO_INT	**Number**	226	**Type**	FC	**Language**	LAD
Numbering	Manual						
Information							
Title	16BOOL_TO_INT	**Author**		**Comment**	########## ########## ########## ########## # 16BOOL_TO_INT # ########## ########## ########## ########## This software is sold with the expressed agreement that the information therein contained is the property of DANIELI AUTOMATION s.p.a.It will not be repro- duced, installed, copied or other- wise disposed or directly or indirectly for different uses than the scope of this contract, and will not be used, in whole or in part,to assist in making or to furnish information for the use of the software, or other reproductions here- of, or for the making of soft- ware or parts thereof, except upon written permis- sion of CENTRO AUTOMA- TION s.p.a., obtained and specific to each case. The acceptance of this software will be constructed as an acceptance of the forego- ing agreement. Function name : 16BOOL_TO_INT Revisions history +---+-------- +---------- +-------------+-------------+ ! 5 ! ! ! ! ! +---+-------- +---------- +-------------+-------------+ ! 4 ! ! ! ! ! +---+-------- +---------- +-------------+-------------+ ! 3 ! ! ! ! ! +---+-------- +---------- +-------------+-------------+ ! 2 ! ! ! ! ! +---+-------- +---------- +-------------+-------------+ ! 1 !14/02/08!Issue ! G.Pas- torutti ! ! +---+-------- +---------- +-------------+-------------+ !Rev!Date !Description ! Drawn !Checked ! +---+-------- +---------- +-------------+-------------+ Function : CONVERTS 16 BOOLEANS INTO AN INTE- GER	**Family**	
Version	0.1	**User-defined ID**					

FDA_16BOOL_TO_INT				
Name	**Data type**	**Offset**	**Default value**	**Comment**
▼ Input				
IN_00	Bool			
IN_01	Bool			
IN_02	Bool			
IN_03	Bool			

Name	Data type	Offset	Default value	Comment
IN_04	Bool			
IN_05	Bool			
IN_06	Bool			
IN_07	Bool			
IN_08	Bool			
IN_09	Bool			
IN_10	Bool			
IN_11	Bool			
IN_12	Bool			
IN_13	Bool			
IN_14	Bool			
IN_15	Bool			
▼ Output				
OUT_INT	Int			
InOut				
▼ Temp				
Supp	Int	0.0		
Constant				
▼ Return				
FDA_16BOOL_TO_INT	Void			

Network 1:

```
0001        A     #IN_00              // Assign individual bits
0002        =     #Supp.%X0           // to the word bits
0003        A     #IN_01              // using slicing access
0004        =     #Supp.%X1
0005        A     #IN_02
0006        =     #Supp.%X2
0007        A     #IN_03
0008        =     #Supp.%X3
0009        A     #IN_04
0010        =     #Supp.%X4
0011        A     #IN_05
0012        =     #Supp.%X5
0013        A     #IN_06
0014        =     #Supp.%X6
0015        A     #IN_07
0016        =     #Supp.%X7
0017        A     #IN_08
0018        =     #Supp.%X8
0019        A     #IN_09
0020        =     #Supp.%X9
0021        A     #IN_10
0022        =     #Supp.%X10
0023        A     #IN_11
0024        =     #Supp.%X11
0025        A     #IN_12
0026        =     #Supp.%X12
0027        A     #IN_13
0028        =     #Supp.%X13
0029        A     #IN_14
0030        =     #Supp.%X14
0031        A     #IN_15
0032        =     #Supp.%X15
0033
0034
0035
0036
0037        L     #Supp               // L Supp (read the temporary array word)
0038        T     #OUT_INT            // and write into the output parameter
0039
```