

VARIABLES

VAR_GLOBAL

Di00M00 AT %IX0.0 : BOOL; (* Logic input 00 *)

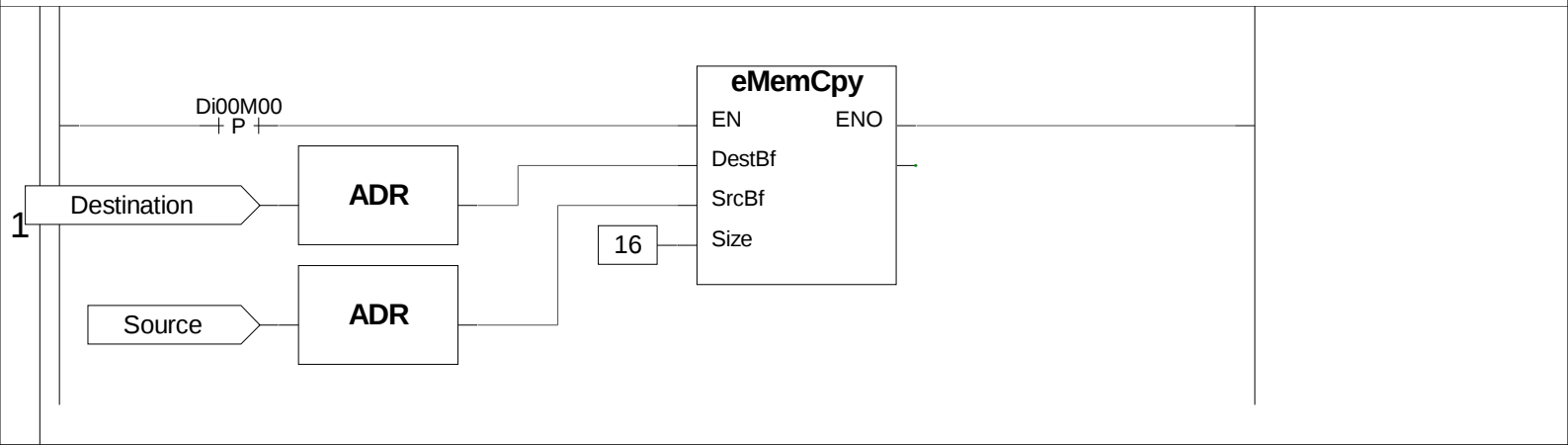
Destination AT %MB100.100 : ARRAY[0..15] OF USINT; (* Destination buffer *)

Source AT %MB100.200 : ARRAY[0..15] OF USINT; (* Source buffer *)

Di01M00 AT %IX0.1 : BOOL; (* Logic input 01 *)

END_VAR

	Project : MemCopy	
	VARIABLES :	
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PROGRAM ST

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VAR
Pulse : BOOL; (* Pulse flag *)
Dummy : BOOL; (* Dummy variable *)
END_VAR

```

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1 (* ***** *)
2 (* ESEGUO COPIA MEMORIA *)
3 (* ***** *)
4
5 (* Controllo se pulse attivazione ingresso logico. *)
6
7 IF (Di01M00 <> Pulse) THEN
8     Pulse:=Di01M00; (* Pulse flag *)
9
10     IF (Di01M00) THEN
11         Dummy:=eMemCpy(ADR(Destination), ADR(Source), 16);
12     END_IF;
13 END_IF;
14
15 (* [End of file] *)
16

```

Project : MemCopy

PROGRAM : ST

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VAR_INPUT

DestBf : @USINT; (* Destination buffer address *)

SrcBf : @USINT; (* Source buffer address *)

Size : UINT; (* Buffer size *)

END_VAR

```
1 (* ***** *)
2 (* FUNCTION "BOOL eMemCpy(@USINT DestBf, @USINT SrcBf, UINT Size)" *)
3 (* ***** *)
4 (* Questa funzione esegue copia tra due aree di memoria. La funzione è simile *)
5 (* alla nota funzione "memcpy" del linguaggio "C". *)
6 (* *)
7 (* DestBf: Indirizzo del buffer destinazione. *)
8 (* SrcBf: Indirizzo del buffer sorgente. *)
9 (* Size: Dimensione area da copiare. *)
10 (* *)
11 (* La funzione ritorna sempre TRUE. *)
12 (* ----- *)
13 (* Eseguo azzeramento valore di ritorno. *)
14
15     eMemCpy:=TRUE; (* Function result *)
16
17 (* Eseguo lop di copia memoria. *)
18
19     WHILE (Size > 0) DO
20         @DestBf:=@SrcBf; (* Trasferisco dato in memoria *)
21         Size:=Size-1; (* Buffer size *)
22         SrcBf:=SrcBf+1; (* Source buffer address *)
23         DestBf:=DestBf+1; (* Destination buffer address *)
24     END_WHILE;
25
26 (* [End of file] *)
27
```

Project : MemCopy

FUNCTION : eMemCpy

Release : MemCopy

Ver :1.00

Author :

Date:05/01/2012

Note :

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