1.After adding array register.
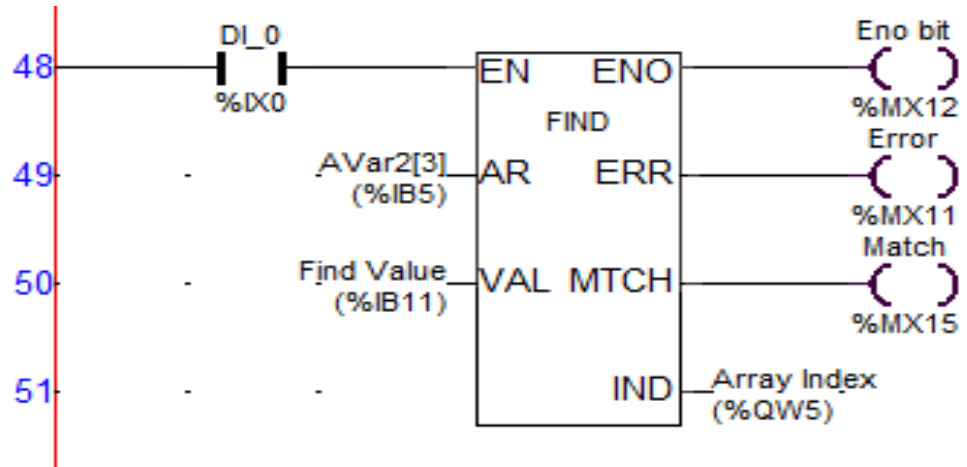
Input :

Signal	Data type	Description
EN	BOOL	Enables block operation
VAR	SINT,INT,DINT,USINT,UINT,UDINT,REAL,LREAL,TIME,DATE,TOD,WORD,DWORD	Array Variable whose length is to be calculated
Val	SINT,INT,DINT,USINT,UINT,UDINT,REAL,LREAL,TIME,DATE,TOD,WORD,DWORD	Value to be found within the array

Output :

Signal	Data type	Description
ENO	BOOL	Indicates completion of operation
ERR	BOOL	This pin is set High if Array Variable reference is wrong else set Low
NM	BOOL	Set when No match is found
IND	UINT	Index of the element where the value is found first

2. Calculation

When DI_0 is HIGH following operation takes place and Eno_Bit turns ON(HIGH

Avar2[3] = {1,4,7}

1. Val = 4
   ERR = 0
   NMTCH = 0
   IND = 1

2. Val = 10
   ERR = 0
   NMTCH = 1
   IND = 0

EXIT