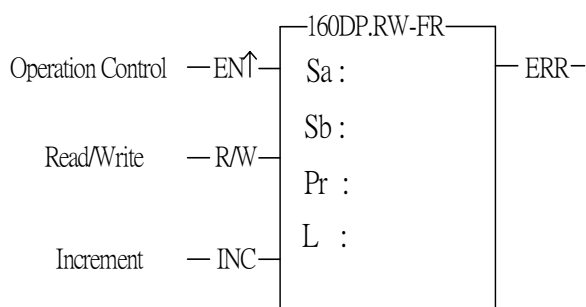


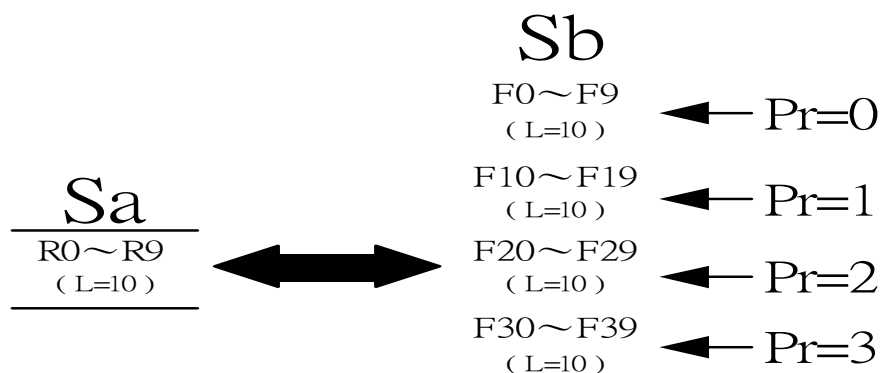
FUN160 RW – FR	Read/Write File Register	FUN160 RW – FR
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Sa : Starting address of data register  
 Sb : Starting address of file register  
 Pr : Pointer register  
 L : Quantity of register, 1~511  
 Sa operand can combine V · Z · P0~P9 for index addressing.

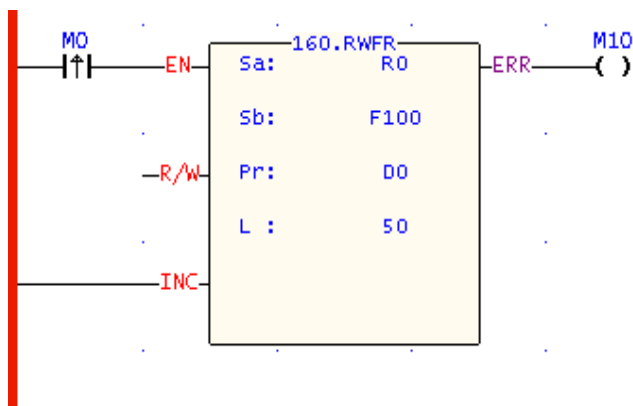
Range Operand	WX	WY	WM	WS	TMR	CTR	HR	IR	OR	SR	ROR	DR	K	XR	FR
	WX240	WY240	WM1896	WS984	T255	C255	R0	R3840 R3903	R3904 R3967	R3968 R4167	R5000 R8071	D0 D4095		V · Z P0~P9	F0 F8191
Sa	○	○	○	○	○	○	○	○	○	○	○	○		○	
Sb															○
Pr		○	○	○	○	○	○		○	○*	○*	○			
L							○				○*	○	1-511		

- When operation control "EN"=1 or "EN ↑ "(P instruction) changes from 0→1,it will perform the read ("R/W"=1) or write ("R/W"=0) file register operation. While reading, the content of data registers starting from Sa will be overwritten by the content of file registers starting from the Sb and pointer pointed; while writing, the content of file registers starting from the Sb and pointer pointed will be overwritten by the content of data registers starting from Sa; L is the operation quantity. The access of file register applies the concept of RECORD data structure to implement. For example, Sa=R0, Sb=F0, L=10, the read/write details shown as below :



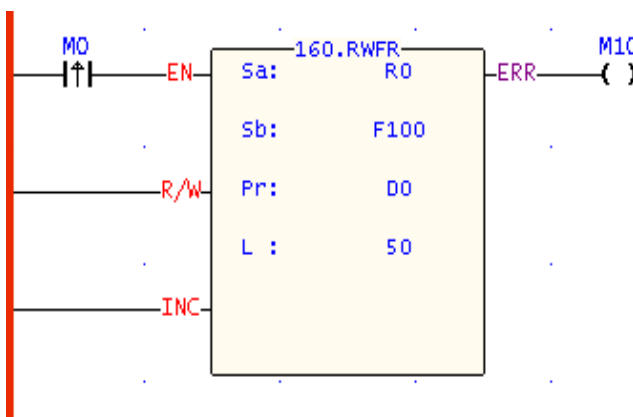
FUN160 RW—FR	Read/Write File Register	FUN160 RW—FR
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- For ladder program application, only this instruction can access the file registers.
- The pointer will be increased by 1 after execution while pointer control input "INC"=1.
- This instruction will not be executed and error indicator "ERR" will be 1 while incorrect quantity (L=0 or > 511) or the operation out of the file register's range (F0~ F8191).



.When M0 changes from 0→1, the content of file registers starting from F100 and pointer (D0) pointed will be overwritten by the content of data registers R0~R49; the record length is 50.

.Pointer will be increased by 1 after operation.



.When M0 changes from 0→1, the content of data registers R0~R49 will be overwritten by the content of file registers starting from F100 and pointer (D0) pointed; the record length is 50.

.Pointer will be increased by 1 after operation.