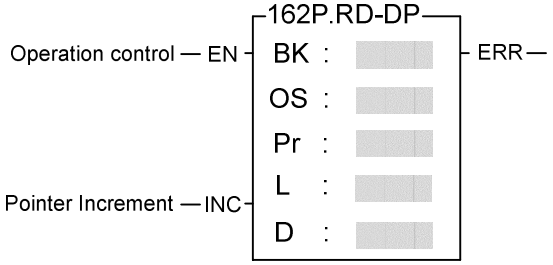
FUN162 P RD-DP	Read data record from the DATA PACK （Read Data Pack）	FUN162 P RD-DP

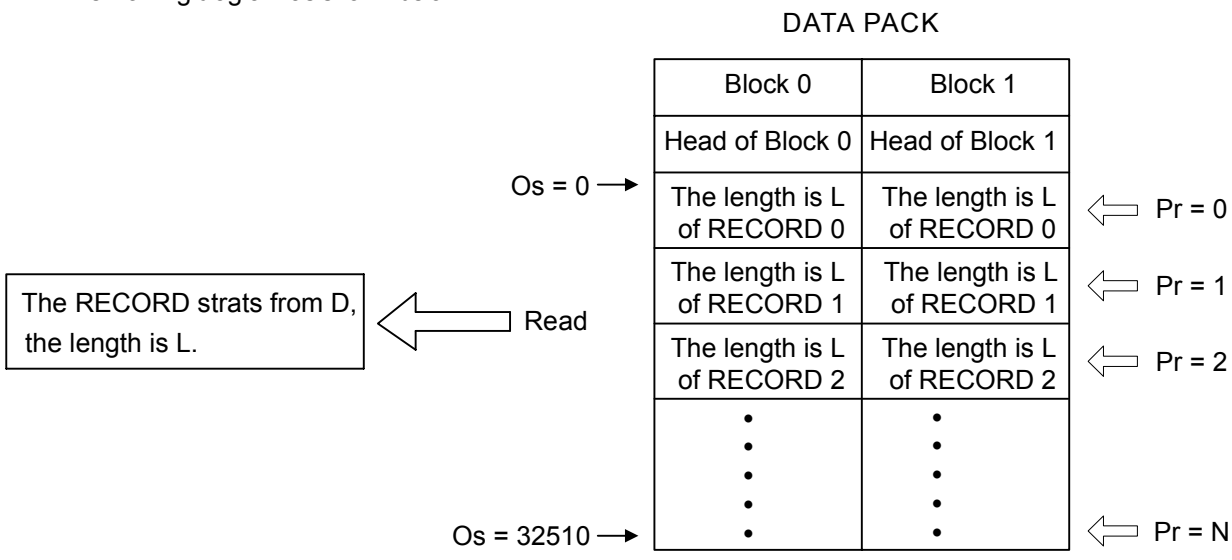
Ladder symbol



BK：Block number of the DATA PACK，0～1
Os：Offset of the block
Pr：Address of the pointer
L：Quantity of reading，1～128
D：Starting addres to store the reading record

Operand \ Range	HR	ROR	DR	K
	R0 | R3839	R5000 | R8071	D0 | D3999	
BK				0～1
Os	○	○	○	0～32510
Pr	○	○*	○	
L	○	○*	○	1～128
D	○	○*	○	

- If the ROM PACK of the FBs series's has stored the data record been written by the FUN161 instruction, they can be read out for machine's working through this instruction, it will reduce the tuning time for machine operation.
  When execution control "EN" = 1 or from 0→1(P instruction), it will perform the data reading, where BK is the block number of the Data Pack storing the record, Os is the offset of specified block, Pr is the pointer to point to corresponding data area, L is the quantity of this record, and D is the starting address to stor this reading of record. The access of Data Pack manipulation adopts the concept of RECORD data structure to implement with.
  The working diagram as shown below:



- When input "INC"=1, the content of the pointer will be increased by one after the execution of reading, it points to next record.
- If the value of L is equal to 0 or greater than 128, or the pointed data area over the range, the output "ERR" will be 1, it will not perform the reading operation.

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Example program : Reading the record from block 1 of Data Pack with the different length