

Function Block 112 – 115 Data Packer

Function Description

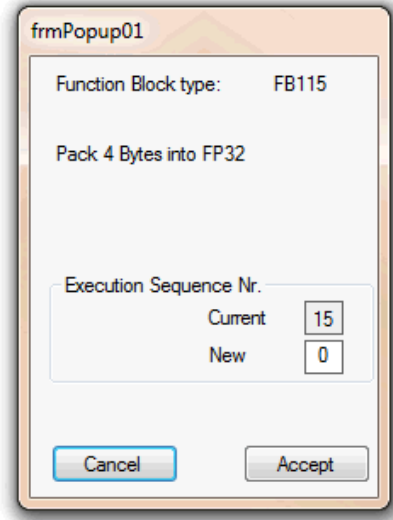
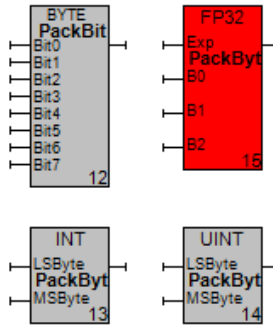
These 4 function blocks provide for packing bit-values into a byte-value and byte-values into INT, UINT, and FP32 data values.

- FB112 Pack 8 bits into byte.
- FB113 Pack 2 bytes into INT.
- FB114 Pack 2 bytes into UINT.
- FB115 Pack 4 bytes into FP32.

The Boolean inputs of FB112 (Pack Bits into Byte) can be inverted.

Popup Parameters

- Execution sequence number.



Input/Output and Parameters

Type	Description	Data Type	Range
Input 1....8 (FB112)	Bit values	Boolean	0,1
Input 1 (FB113)	LSByte	BYTE	0....255
Input 2 (FB113)	MSByte	BYTE	0....255
Input 1 (FB114)	LSByte	BYTE	0....255
Input 2 (FB114)	MSByte	BYTE	0....255
Input 1 (FB115)	Exponent	BYTE	0....255
Input 2 (FB115)	Mantissa B0	BYTE	0....255
Input 3 (FB115)	Mantissa B1	BYTE	0....255
Input 4 (FB115)	Mantissa B	BYTE	0....255
Output (FB112)	Output	BYTE	0....255
Output (FB113)	Output	INT	-35768....35767
Output (FB114)	Output	UINT	0....65535
Output (FB115)	Output	FP32	FP32

Application

Notes:

Function blocks 112, 113, 114, and 115 can be executed in Cycle and Time tasks.