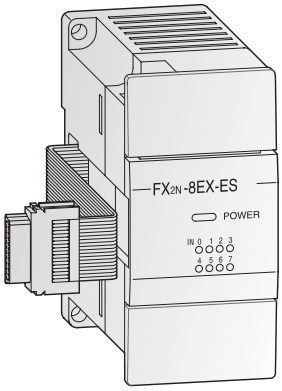
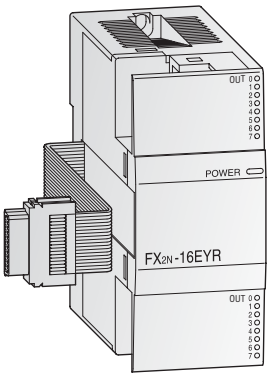
■ Unpowered Modular Extension Blocks

☐ FX1S ☑ FX1N ☑ FX3G ☑ FX3U ☑ FX3UC



FX2N-8EX-ES



FX2N-16EYR-ES/UL

Extension Blocks FX2N

The FX2N series modular extension blocks are available with 8 or 16 input/output points.

It is possible to choose between relay and transistor output type.

Special Features:

- LEDs for indicating the input and output status
- MELSEC FX1N/FX3G and FX3U series compatible
- Very compact dimensions
- Vertically terminal blocks with a cable guide to the upper or lower side

Specifications			FX2N-8 ER-ES/UL	FX2N-8 EX-ES/UL	FX2N-8 EYR-ES/UL	FX2N-8 EYT-ESS/UL	FX2N-16 EX-ES/UL	FX2N-16 EYR-ES/UL	FX2N-16 EYT-ESS/UL
Electrical data									
Integrated inputs/outputs			8	8	8	8	16	16	16
Nbr. of occupied I/O points in the PLC			16	8	8	8	16	16	16
Power supply			All modular extension blocks are supplied by the base unit.						
Inputs									
Integrated inputs			4	8	—	—	16	—	—
Min. current for logical 1		mA	3.5	3.5	—	—	3.5	—	—
Max. current for logical 0		mA	1.5	1.5	—	—	1.5	—	—
Response time			For all extension blocks of the MELSEC FX2N series: 10 ms (at time of shipment)						
Outputs									
Integrated outputs			4	—	8	8	—	16	16
Output type			Relay	—	Relay	Transistor	—	Relay	Transistor (source)
Max. switching voltage			Generally for relay version: <240 V AC, <30 V DC; for transistor version: 5–30 V DC						
Max. output current	- per output	A	2	—	2	0.5	—	2	0.5
	- per group ①	A	8	—	8	0.8	—	8	1.6
Max. switching power	- inductive load	VA	80	—	80	12	—	80	12
Response time		ms	10	10	10	<0.2	—	10	<0.2
Life of contacts (switching times) ②			For all extension units of the MELSEC FX2N series: 3,000,000 at 20 VA; 1,000,000 at 35 VA; 200,000 at 80 VA (for relay output only)						
Mechanical data									
Weight		kg	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Dimensions (WxHxD)		mm	43x90x87	43x90x87	43x90x87	43x90x87	40x90x87	40x90x87	40x90x87
Order information		Art. no.	166285	166284	166286	166287	65776	65580	65581

① This limitation applies only per reference terminal for each group. Please observe the terminal assignments for the group identification.
② Not guaranteed by Mitsubishi Electric