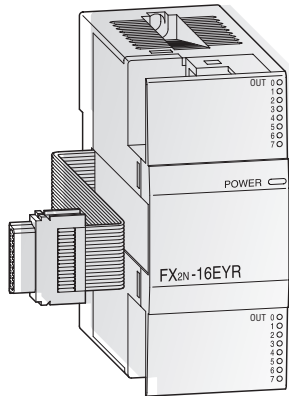


Unpowered Modular Extension Blocks

FX1S
 FX1N
 FX2N
 FX3U



Extension Blocks FX2N

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

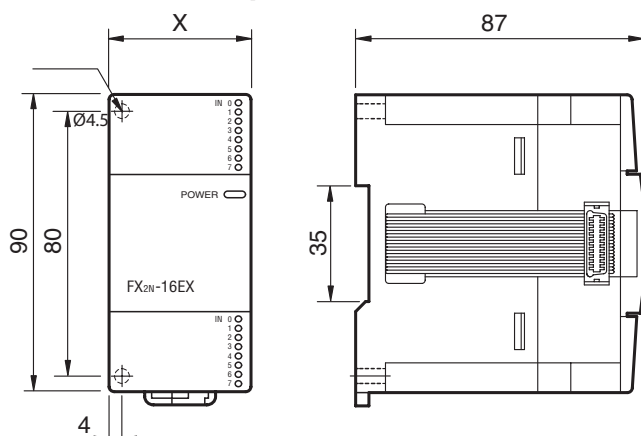
It is possible to choose between relay and transistor output type.

Special Features:

- LEDs for indicating the input and output status
- MELSEC FX1N/FX2N 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
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	—
	- per group ^①	A	8	—	8	0.8	—
Max. switching power	- inductive load	VA	80	—	80	12	—
Response time	ms	10	10	10	< 0.2	—	10
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
Dimensions (W x H x D)	mm	43 x 90 x 87	43 x 90 x 87	43 x 90 x 87	43 x 90 x 87	40 x 90 x 87	40 x 90 x 87
Order information	Art. no.	166285	166284	166286	166287	65776	65580
						65580	65581

Dimensions of Compact Extension Units and Modular Extension Blocks MELSEC FX2N



Modular Extension Blocks

Type	X (in mm)
FX2N-8E□□□	43
FX2N-16E□□□	40