■ Modular Extension Units

☐ **FX1S** ☐ **FX1N** ☐ **FX3G** ☐ **FX3U** ☑ **FX3UC**
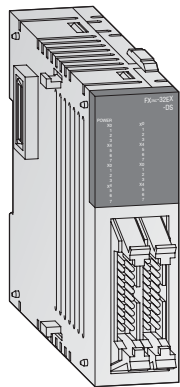
FX2NC-32EX-DS
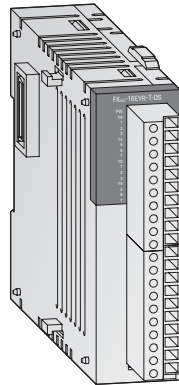
FX2NC-16EYR-DS

Extension Units FX2NC

The modular extension units of the FX2NC series can be used in combination with FX3UC series base units only. They are available with 16 or 32 input/output points. For modules with 16 outputs it is possible to choose between relay and transistor output type.

Note: These modules can be used in combination with a FX3UC PLC only!

Special Features:

● Very compact dimensions
● LEDs for indicating the input and output status
● Removable terminal blocks for FX2NC-16EYR-T-DS and FX2NC-16EX-T-DS (interchangeable against optional spring terminal blocks)
● Adapter modules and system cabling sets are optionally available for units with ribbon cable connectors (transistor output types)

Specifications		FX2NC-16 EX-T-DS	FX2NC-16 EYR-T-DS	FX2NC-16 EX-DS	FX2NC-16 EYT-DSS	FX2NC-32 EX-DS	FX2NC-32 EYT-DSS
Electrical data							
Integrated inputs/outputs		16	16	16	16	32	32
Power supply		All modular extension blocks are supplied by the base unit.					
Inputs							
Integrated inputs		16	—	16	—	32	—
Input current X0→X7 / X10→∞		7/5	—	7/5	—	7/5	—
Min. current for logical 1 X0→X7 / X10→∞	mA	4.5/3.5	—	4.5/3.5	—	4.5/3.5	—
Max. current for logical 0	mA	1.5	—	1.5	—	1.5	—
Isolation		Photocoupler isolation between input terminals and PC power for all base units					
Response time		For all extension units of the MELSEC FX2NC series: 10 ms (at time of shipment), partly adjustable between 0 and 60 ms in 1 ms steps (REFF, FNC51 = 0–60 ms)					
Outputs							
Integrated outputs		—	16	—	16	—	32
Output type		—	Relay	—	Transistor	—	Transistor
Max. switching voltage	V	Generally for relay version: <240 V AC, <30 V DC; for transistor version: 5–30 V DC					
Max. output current - per output	A	—	2	—	0.1/0.3 [1]	—	0.1/0.3 [1]
- per group*	A	—	4/8	—	0.8	—	0.8
Max. switching power - inductive load	VA	—	80	—	2.4/7.2 [2]	—	2.4/7.2 [2]
- lamp load	W	—	100	—	0.3/0.9 [3]	—	0.3/0.9 [3]
Response time	ms	—	10	—	<0.2	—	<0.2
Life of contacts (switching times)		—	like base unit	—	—	—	—
Mechanical data							
Connection type		Removable screw terminal blocks		Ribbon cable connector	Ribbon cable connector	Ribbon cable connector	Ribbon cable connector
Weight	kg	0.2	0.2	0.15	0.2	0.2	0.2
Dimensions (WxHxD)	mm	20.2x90x89	24.2x90x89	14.6x90x87	14.6x90x87	26.2x90x87	26.2x90x87
Order information	Art. no.	128152	128153	104503	104504	104505	104506

[1] 0.3A for Y0 to Y1; 0.1 A all others   [2] 7.2 W for Y0 to Y3; 2.4 W all others   [3] 0.9 W for Y0 to Y3; 0.3 W all others

* This limitation applies only per reference terminal for each group. Please observe the terminal assignments for the group identification.

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