

Mitsubishi Electric MELSEC-F FX3S / FX3SA / FX3G / FX3U order number list

144 order numbers for MELSEC-F FX3S, FX3SA, FX3G and FX3U main units, expansion boards, special adapters, special function blocks and display modules. In main-unit codes, /ES means AC power supply, /DS means 24 V DC power supply, and a trailing S (ESS, DSS) means source transistor outputs. Ask us for availability, lead time and price for any order number below.

Main units

ORDER NUMBER	DESCRIPTION	
FX3S-10MR/ES	FX3S main unit, 10 I/O (6 in / 4 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-10MT/ES	FX3S main unit, 10 I/O (6 in / 4 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-10MT/ESS	FX3S main unit, 10 I/O (6 in / 4 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-14MR/ES	FX3S main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-14MT/ES	FX3S main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-14MT/ESS	FX3S main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-20MR/ES	FX3S main unit, 20 I/O (12 in / 8 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-20MT/ES	FX3S main unit, 20 I/O (12 in / 8 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-20MT/ESS	FX3S main unit, 20 I/O (12 in / 8 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-30MR/ES	FX3S main unit, 30 I/O (16 in / 14 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-30MT/ES	FX3S main unit, 30 I/O (16 in / 14 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-30MT/ESS	FX3S main unit, 30 I/O (16 in / 14 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-30MR/ES-2AD	FX3S main unit, 30 I/O (16 in / 14 out) with 2 built-in analog inputs, AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-30MT/ES-2AD	FX3S main unit, 30 I/O (16 in / 14 out) with 2 built-in analog inputs, AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-30MT/ESS-2AD	FX3S main unit, 30 I/O (16 in / 14 out) with 2 built-in analog inputs, AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3SA-10MR-CM	FX3SA main unit (same specification as FX3S-10MR/ES), 10 I/O (6 in / 4 out), AC power supply, 24 V DC sink/source input, relay output	View product
FX3SA-10MT-CM	FX3SA main unit (same specification as FX3S-10MT/ES), 10 I/O (6 in / 4 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	View product
FX3SA-14MR-CM	FX3SA main unit (same specification as FX3S-14MR/ES), 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, relay output	View product
FX3SA-14MT-CM	FX3SA main unit (same specification as FX3S-14MT/ES), 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	View product
FX3SA-20MR-CM	FX3SA main unit (same specification as FX3S-20MR/ES), 20 I/O (12 in / 8 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3SA-20MT-CM	FX3SA main unit (same specification as FX3S-20MT/ES), 20 I/O (12 in / 8 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3SA-30MR-CM	FX3SA main unit (same specification as FX3S-30MR/ES), 30 I/O (16 in / 14 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3SA-30MT-CM	FX3SA main unit (same specification as FX3S-30MT/ES), 30 I/O (16 in / 14 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-10MR/DS	FX3S main unit, 10 I/O (6 in / 4 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-10MT/DS	FX3S main unit, 10 I/O (6 in / 4 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-10MT/DSS	FX3S main unit, 10 I/O (6 in / 4 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-14MR/DS	FX3S main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-14MT/DS	FX3S main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-14MT/DSS	FX3S main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-20MR/DS	FX3S main unit, 20 I/O (12 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-20MT/DS	FX3S main unit, 20 I/O (12 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-20MT/DSS	FX3S main unit, 20 I/O (12 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3S-30MR/DS	FX3S main unit, 30 I/O (16 in / 14 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3S-30MT/DS	FX3S main unit, 30 I/O (16 in / 14 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3S-30MT/DSS	FX3S main unit, 30 I/O (16 in / 14 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3G-14MR/ES	FX3G main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-14MT/ES	FX3G main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-14MT/ESS	FX3G main unit, 14 I/O (8 in / 6 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-24MR/ES	FX3G main unit, 24 I/O (14 in / 10 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-24MT/ES	FX3G main unit, 24 I/O (14 in / 10 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-24MT/ESS	FX3G main unit, 24 I/O (14 in / 10 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-40MR/ES	FX3G main unit, 40 I/O (24 in / 16 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-40MT/ES	FX3G main unit, 40 I/O (24 in / 16 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-40MT/ESS	FX3G main unit, 40 I/O (24 in / 16 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-60MR/ES	FX3G main unit, 60 I/O (36 in / 24 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-60MT/ES	FX3G main unit, 60 I/O (36 in / 24 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-60MT/ESS	FX3G main unit, 60 I/O (36 in / 24 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-14MR/DS	FX3G main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-14MT/DS	FX3G main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-14MT/DSS	FX3G main unit, 14 I/O (8 in / 6 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-24MR/DS	FX3G main unit, 24 I/O (14 in / 10 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-24MT/DS	FX3G main unit, 24 I/O (14 in / 10 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-24MT/DSS	FX3G main unit, 24 I/O (14 in / 10 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3G-40MR/DS	FX3G main unit, 40 I/O (24 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, relay output	View product
FX3G-40MT/DS	FX3G main unit, 40 I/O (24 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	View product
FX3G-40MT/DSS	FX3G main unit, 40 I/O (24 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3G-60MR/DS	FX3G main unit, 60 I/O (36 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3G-60MT/DS	FX3G main unit, 60 I/O (36 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3G-60MT/DSS	FX3G main unit, 60 I/O (36 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-16MR/ES	FX3U main unit, 16 I/O (8 in / 8 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-16MT/ES	FX3U main unit, 16 I/O (8 in / 8 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-16MT/ESS	FX3U main unit, 16 I/O (8 in / 8 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-32MR/ES	FX3U main unit, 32 I/O (16 in / 16 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-32MT/ES	FX3U main unit, 32 I/O (16 in / 16 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-32MT/ESS	FX3U main unit, 32 I/O (16 in / 16 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-32MS/ES	FX3U main unit, 32 I/O (16 in / 16 out), AC power supply, 24 V DC sink/source input, triac output	Request a Quote
FX3U-48MR/ES	FX3U main unit, 48 I/O (24 in / 24 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-48MT/ES	FX3U main unit, 48 I/O (24 in / 24 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-48MT/ESS	FX3U main unit, 48 I/O (24 in / 24 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-64MR/ES	FX3U main unit, 64 I/O (32 in / 32 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-64MT/ES	FX3U main unit, 64 I/O (32 in / 32 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-64MT/ESS	FX3U main unit, 64 I/O (32 in / 32 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-64MS/ES	FX3U main unit, 64 I/O (32 in / 32 out), AC power supply, 24 V DC sink/source input, triac output	Request a Quote
FX3U-80MR/ES	FX3U main unit, 80 I/O (40 in / 40 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-80MT/ES	FX3U main unit, 80 I/O (40 in / 40 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-80MT/ESS	FX3U main unit, 80 I/O (40 in / 40 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-128MR/ES	FX3U main unit, 128 I/O (64 in / 64 out), AC power supply, 24 V DC sink/source input, relay output	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3U-128MT/ES	FX3U main unit, 128 I/O (64 in / 64 out), AC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-128MT/ESS	FX3U main unit, 128 I/O (64 in / 64 out), AC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-16MR/DS	FX3U main unit, 16 I/O (8 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-16MT/DS	FX3U main unit, 16 I/O (8 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-16MT/DSS	FX3U main unit, 16 I/O (8 in / 8 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-32MR/DS	FX3U main unit, 32 I/O (16 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-32MT/DS	FX3U main unit, 32 I/O (16 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-32MT/DSS	FX3U main unit, 32 I/O (16 in / 16 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-48MR/DS	FX3U main unit, 48 I/O (24 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-48MT/DS	FX3U main unit, 48 I/O (24 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-48MT/DSS	FX3U main unit, 48 I/O (24 in / 24 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-64MR/DS	FX3U main unit, 64 I/O (32 in / 32 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-64MT/DS	FX3U main unit, 64 I/O (32 in / 32 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-64MT/DSS	FX3U main unit, 64 I/O (32 in / 32 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-80MR/DS	FX3U main unit, 80 I/O (40 in / 40 out), 24 V DC power supply, 24 V DC sink/source input, relay output	Request a Quote
FX3U-80MT/DS	FX3U main unit, 80 I/O (40 in / 40 out), 24 V DC power supply, 24 V DC sink/source input, transistor (sink) output	Request a Quote
FX3U-80MT/DSS	FX3U main unit, 80 I/O (40 in / 40 out), 24 V DC power supply, 24 V DC sink/source input, transistor (source) output	Request a Quote
FX3U-32MR/UA1	FX3U main unit, 32 I/O (16 in / 16 out), AC power supply, 100 V AC input, relay output	Request a Quote
FX3U-64MR/UA1	FX3U main unit, 64 I/O (32 in / 32 out), AC power supply, 100 V AC input, relay output	Request a Quote

Expansion boards

ORDER NUMBER	DESCRIPTION	
FX3G-4EX-BD	4-point 24 V DC input expansion board for FX3S/FX3G	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3G-2EYT-BD	2-point transistor output expansion board for FX3S/FX3G	Request a Quote
FX3G-232-BD	RS-232C communication expansion board for FX3S/FX3G	View product
FX3G-422-BD	RS-422 communication expansion board for FX3S/FX3G	Request a Quote
FX3G-485-BD	RS-485 communication expansion board (European terminal type) for FX3S/FX3G	Request a Quote
FX3G-485-BD-RJ	RS-485 communication expansion board (RJ45 connector) for FX3S/FX3G	Request a Quote
FX3G-8AV-BD	8-channel analog volume expansion board for FX3S/FX3G	Request a Quote
FX3G-2AD-BD	2-channel voltage/current input expansion board for FX3S/FX3G	Request a Quote
FX3G-1DA-BD	1-channel voltage/current output expansion board for FX3S/FX3G	Request a Quote
FX3U-CNV-BD	Connector conversion board for fitting special adapters for FX3U	Request a Quote
FX3U-232-BD	RS-232C communication expansion board for FX3U	Request a Quote
FX3U-422-BD	RS-422 communication expansion board for FX3U	Request a Quote
FX3U-485-BD	RS-485 communication expansion board for FX3U	Request a Quote
FX3U-USB-BD	USB communication expansion board (programming PC) for FX3U	Request a Quote
FX3U-8AV-BD	8-channel analog volume expansion board for FX3U	Request a Quote

Special adapters

ORDER NUMBER	DESCRIPTION	
FX3S-CNV-ADP	Connection conversion adapter for fitting special adapters to FX3S	Request a Quote
FX3G-CNV-ADP	Connection conversion adapter for fitting special adapters to FX3G	Request a Quote
FX3U-4AD-ADP	4-channel voltage/current input adapter	Request a Quote
FX3U-4DA-ADP	4-channel voltage/current output adapter	View product
FX3U-3A-ADP	2-channel voltage/current input and 1-channel voltage/current output adapter	Request a Quote
FX3U-4AD-PT-ADP	4-channel platinum resistance thermometer input adapter	Request a Quote
FX3U-4AD-PTW-ADP	4-channel platinum resistance thermometer input adapter (-100 to 600 °C)	Request a Quote
FX3U-4AD-PNK-ADP	4-channel Pt1000/Ni1000 resistance thermometer input adapter	Request a Quote
FX3U-4AD-TC-ADP	4-channel thermocouple (K, J type) input adapter	Request a Quote
FX3U-232ADP	RS-232C communication adapter	Request a Quote
FX3U-232ADP-MB	RS-232C communication adapter (-MB version)	Request a Quote
FX3U-485ADP	RS-485 communication adapter	Request a Quote
FX3U-485ADP-MB	RS-485 communication adapter (-MB version)	View product
FX3U-ENET-ADP	Ethernet communication adapter	Request a Quote
FX3U-CF-ADP	CF card special adapter	Request a Quote
FX3U-4HSX-ADP	High-speed input adapter for differential line driver input (high-speed counter)	Request a Quote

ORDER NUMBER	DESCRIPTION	
FX3U-2HSY-ADP	High-speed output adapter for differential line driver output (positioning)	Request a Quote

Special function blocks

ORDER NUMBER	DESCRIPTION	
FX3U-4AD	4-channel voltage/current analog input block	View product
FX3U-4DA	4-channel voltage/current analog output block	Request a Quote
FX3U-4LC	4-loop temperature control block (resistance thermometer, thermocouple, micro-voltage input)	Request a Quote
FX3U-2HC	2-channel high-speed counter block	Request a Quote
FX3U-1PG	1-axis pulse output positioning block, 200 kHz transistor output	View product
FX3U-20SSC-H	2-axis positioning block for SSCNET III servo amplifiers	Request a Quote
FX3U-16CCL-M	CC-Link master block (Ver. 2.00 and Ver. 1.10)	Request a Quote
FX3U-64CCL	CC-Link interface block (intelligent device station, 1 to 4 stations occupied)	Request a Quote
FX3U-128ASL-M	AnyWireASLINK master block	Request a Quote
FX3U-64DP-M	PROFIBUS-DP master block	Request a Quote
FX3U-32DP	PROFIBUS-DP slave block	Request a Quote

Display modules and power supply

ORDER NUMBER	DESCRIPTION	
FX3S-5DM	Display module that mounts on the FX3S main unit	Request a Quote
FX3G-5DM	Display module that mounts on the FX3G main unit	Request a Quote
FX3U-7DM	Display module that mounts on the FX3U main unit	Request a Quote
FX3U-7DM-HLD	Panel holder and extension cable for FX3U-7DM	Request a Quote
FX3U-1PSU-5V	Extension power supply unit, 5 V DC 1 A, 100-240 V AC input	Request a Quote

Prepared by GEARWELL, 2026-10-14. Mitsubishi Electric, MELSEC and iQ-F are trademarks of Mitsubishi Electric Corporation. GEARWELL is an independent supplier and is not affiliated with or authorized by Mitsubishi Electric. Order numbers and descriptions are taken from Mitsubishi Electric hardware manuals (JY997D48601 rev. G; FX3S/FX3SA Chinese edition JY997D48701 rev. H; JY997D31301 rev. U; JY997D16501 rev. Y) and are given for identification; confirm the exact model with the nameplate before ordering. Official documentation: [mitsubishielectric.com/fa](https://www.mitsubishielectric.com/fa).