



MATERIAL FACT SHEET

251546 FX3GC-32MT/DSS

General Data

Product Hierarchy	IAD214
	Compact PLC
	FX3G
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	B (Limited Availability from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000251546

FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3GC
Power Supply (V)	24
Current Type	DC
Program Memory	32K STEPS
Program Memory Unit	EEPROM
Integrated Digital Inputs	16
Integrated Digital Outputs	16
Output Type	TRANSISTOR
Output Logic	SOURCE
Local I/O Points	128
Local + Remote I/O Points	258
Expandable	YES
Cycle Time LD (ns)	210
Cycle Time MOV (ns)	500
USB	1
RS-422	1
Power Consumption (W)	8
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	34
Height (mm)	90
Depth (mm)	74
Weight (kg)	0.2

Logistic Dimensions & Gross Weight

Length (cm)	14,0
Width (cm)	11,5
Height (cm)	10,5
Gross Weight (kg)	0,274
Volume (cdm)	1,691

Stock Data

Planned Delivery Time (Days)	58
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Life Cycle

Sales Start	17.07.2012
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DEBTI-10854/21-1
BTI validity date	10.10.2024
Battery included	YES - CHECK SPARE PART LIST

Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FX3GC-32MT/DSS&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX3GC-32MT/DSS&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FX3GC-32MT/DSS&doc-lang=en

Product Packaging

Cardboard (g)	75
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	0
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
165286	FX3U-32BL	1	PC

Compatible products

Material	Description / Price List Text / Classification
31870	FX-20P-CADP GOT FX Series Adapter cable; 0.3 m Class 100100110: FA-COM PLC: Cable
45348	FX0N-65EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.65m Class 100100110: FA-COM PLC: Cable
45348	FX0N-65EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.65m Class 100100110: FA-COM PLC: Cable
70880	FX2N-CNV-BC PLC, FX2N Adapter for FX extension or special function modules Class 100100111: FA-COM PLC: Other Option
76094	FX-422CAB0 RS422 connection cable for FX0/0S/0N/2N Class 100100110: FA-COM PLC: Cable
104508	FX2NC-CNV-IF PLC, FX3UC Communication adapter for FX special function modules Class 100100111: FA-COM PLC: Other Option
104509	FX2NC-100MPCB PLC, FX Series Power supply cable for FX2NC base unit, 1 m Class 100100110: FA-COM PLC: Cable
104510	FX2NC-100BPCB Cable for 24V DC supply to input units Class 100100110: FA-COM PLC: Cable

Material	Description / Price List Text / Classification
104511	FX2NC-10BPCB1 Crossover cable for input units Class 100100110: FA-COM PLC: Cable
125189	FX-16E-TB/UL PLC, FX Series Extension terminal block 16 inputs/outputs Class 100100111: FA-COM PLC: Other Option
125584	FX-16E-150CAB PLC, FX Series Connecting cable 1,5 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable
128722	FX-16E-300CAB PLC, FX Series Connecting cable 3 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable
128723	FX-16E-500CAB-S PLC, FX Series Connecting cable 5 m FX2N-XXGM > External devices Class 100100110: FA-COM PLC: Cable
128724	FX-32E-TB/UL PLC, FX Series Extension terminal block 32 inputs/outputs Class 100100111: FA-COM PLC: Other Option
130451	FX-16E-500CAB PLC, FX Series Connecting cable 5 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable
134236	FX-16E-150CAB-R PLC, FX Series Extension terminal block cable, 1,5 m Class 100100110: FA-COM PLC: Cable
134265	FX-16E-300CAB-R PLC, FX Series Extension terminal block cable, 3 m Class 100100110: FA-COM PLC: Cable
134270	FX-16E-500CAB-R PLC, FX Series Extension terminal block cable, 5 m Class 100100110: FA-COM PLC: Cable
149021	TB-16EX-S PLC, FX Series Sensor terminal block for 16 inputs, screw connection Class 100100111: FA-COM PLC: Other Option
149038	TB-EX-CAB-1M PLC, FX Series Connection cable 1 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable
149039	TB-EX-CAB-3M PLC, FX Series Connection cable 3 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable
149040	TB-EX-CAB-5M PLC, FX Series Connection cable 5 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable
149148	TB-20-S PLC, FX Series Terminal block, 20 pin., screw connection Class 100100111: FA-COM PLC: Other Option
159642	FX-232AWC-H RS-422/RS-232C converter to connect FX PLC and PC Class 100100111: FA-COM PLC: Other Option
165286	FX3U-32BL PLC, FX3U/C Battery Class 100100112: FA-COM PLC: Spare Part
165286	FX3U-32BL PLC, FX3U/C Battery Class 100101303: FA-OTHERS: Battery
210091	FX3UC-1PS-5V PLC, FX Series Power Supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
221271	FX-30P PLC, FX Series Hand-held programming unit Class 100100111: FA-COM PLC: Other Option
221540	USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable
234630	GX Works2 V01-2L0C-E PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs Class 100101201: FA-Software: Software PLC
234631	GX Works2 V01-5L0C-E PLC Programming –S/W for MELSEC Q/L/F;engl;USB;5 PC´s Class 100101201: FA-Software: Software PLC

Material	Description / Price List Text / Classification
244876	GX Works2 V01-2L0C-G PLC Programming –S/W for MELSEC Q/L/F Series; German; USB; 2 PCs Class 100101201: FA-Software: Software PLC
244877	GX Works2 V01-5L0C-G PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC
245091	FX2NC-CNV-IF-BS PLC, FX3UC Communication adapter for FX special function modules; coated Class 100100111: FA-COM PLC: Other Option
248245	FX-20P-CAB0 PLC, FX Series Connection Cable with FX-10P-E/FX-20P-ESET0/FX-10DM-E,1,5m Class 100100110: FA-COM PLC: Cable
285598	FX0N-30EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m Class 100100110: FA-COM PLC: Cable
285598	FX0N-30EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m Class 100100110: FA-COM PLC: Cable
286227	iQ Works V02-2L0C-E iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;2 PC´s Class 100101201: FA-Software: Software PLC
286228	iQ Works V02-5L0C-E iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;5 PC´s Class 100101201: FA-Software: Software PLC
303426	iQ Works V02-15L0C-E iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;15 PC´s Class 100101201: FA-Software: Software PLC
338821	iQ Works V02-2L0C-G iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;German;USB;2 PC´s Class 100101201: FA-Software: Software PLC
339022	iQ Works V02-5L0C-G iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;German;USB;5 PC´s Class 100101201: FA-Software: Software PLC
401853	iQ Works V02-2L0C-IT iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;Italian;USB;2 PCs Class 100101201: FA-Software: Software PLC
413493	TRIO-PS-2G/1AC/24DC/5 Power supply unit for 100-240V AC; Output 24V DC / 5A, DIN rail mounting Class 100100304: FA-HMI: Other Option
414700	TRIO-PS-2G/1AC/24DC/3/C2LPS Power supply unit for 100-240V AC; Output 24V DC / 3A C2LPS, DIN rail mounting Class 100100304: FA-HMI: Other Option
506252	TRIO-PS-2G/1AC/24DC/10 Primary switched power supply; input: single phase, output: 24 VDC/10A, DIN rail Class 100100304: FA-HMI: Other Option
506253	TRIO-PS-2G/1AC/24DC/20 Primary switched power supply; input: single phase, output: 24 VDC/20A, DIN rail Class 100100304: FA-HMI: Other Option
506254	TRIO-PS-2G/3AC/24DC/20 Primary switched power supply; input: 3-phase, output: 24 VDC/20A, DIN rail Class 100100304: FA-HMI: Other Option
506255	TRIO-PS-2G/3AC/24DC/40 Primary switched power supply; input: 3-phase, output: 24 VDC/40A, DIN rail Class 100100304: FA-HMI: Other Option
599623	FX2C-I/O-CON FX Series connector for flat cable; 20 pin; 1,27 pitch; AWG28; 10 pieces set Class 100100111: FA-COM PLC: Other Option
599624	FX2C-I/O-CON-S FX Series connector for loose wire; 20 pin; incl. crimp contacts; AWG22; 5 sets Class 100100111: FA-COM PLC: Other Option
599625	FX2C-I/O-CON-SA FX Series connector for loose wire; 20 pin; incl. crimp contacts; AWG20; 5 sets Class 100100111: FA-COM PLC: Other Option