



MATERIAL FACT SHEET

269916 FX3GE-40MT/ESS

General Data

Product Hierarchy	IAD214
	Compact PLC
	FX3G
Ext. Material Group	10 EOL ANNOUNCED
ABC Indicator	A (Available from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000269916

FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3GE
Power Supply (V)	100-240
Current Type	AC
Program Memory	32K STEPS
Program Memory Unit	EEPROM
Integrated Digital Inputs	24
Integrated Digital Outputs	16
Integrated Analogue Inputs	2
Output Type	TRANSISTOR
Output Logic	SOURCE
Local I/O Points	128
Local + Remote I/O Points	256
Expandable	YES
Cycle Time LD (ns)	210
Cycle Time MOV (ns)	500
USB	1
Ethernet Port	1
RS-422	1
Power Consumption (W)	37
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	175
Height (mm)	90
Depth (mm)	86
Weight (kg)	0.8

Logistic Dimensions & Gross Weight

Length (cm)	20,0
Width (cm)	12,0
Height (cm)	11,5
Gross Weight (kg)	0,879
Volume (cdm)	2,760

Stock Data

Planned Delivery Time (Days)	72
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Life Cycle

Sales Start	03.12.2013
Discontinued (EOL)	26.04.2024
Last Time Buy (LTB)	30.05.2025
Last Time Purchase (LTP)	30.06.2025
End of Service (EOS)	30.09.2032

Predecessor	No Predecessor
Successor	492977 / FX5UJ-40MT/ESS

Additional Product Information

Binding Tariff Information	DEBTI-10854/21-1
BTI validity date	10.10.2024
Battery included	NO

Export Data

Commodity Code	85371091
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=FX3GE-40MT/ESS&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX3GE-40MT/ESS&doc-lang=en

Product Packaging

Cardboard (g)	116
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

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
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
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

Material	Description / Price List Text / Classification
169507	FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
221252	FX3G-422-BD PLC, FX3G Interface adapter RS422 Class 100100107: FA-COM PLC: Serial Com Module
221253	FX3G-485-BD PLC, FX3G Interface module RS485, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module
221254	FX3G-232-BD PLC, FX3G Interface module RS232C Class 100100107: FA-COM PLC: Serial Com Module
221265	FX3G-2AD-BD PLC, FX3G Analog adapter, 2 analog inputs, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
221266	FX3G-1DA-BD PLC, FX3G Analog adapter, 1 analog ouput, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
221267	FX3G-8AV-BD PLC, FX3G Analog setpoint adapter for 8 setpoint values Class 100100111: FA-COM PLC: Other Option
221269	FX3G-EEPROM-32L PLC, FX3G EEPROM memory cassette/loader; 32k steps PLC program Class 100100111: FA-COM PLC: Other Option
221270	FX3G-5DM PLC, FX3G Display Unit 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
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
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
271699	FX3G-485-BD-RJ FX3G RS485 BD Board;RJ45 Connector Type Class 100100107: FA-COM PLC: Serial Com Module
271700	FX3G-4EX-BD FX3G BD Board 4 Inputs DC24V Class 100100102: FA-COM PLC: Digital I/O Module
271701	FX3G-2EYT-BD FX3G BD Board 2 Transistor Outputs Class 100100102: FA-COM PLC: Digital I/O Module
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

Material	Description / Price List Text / Classification
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
697551	IE-C6A-0.2m CC-Link IECertified Patch Cable RJ45 Cat.6A, 0.2m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697582	IE-C6A-0.5m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.5m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697583	IE-C6A-1.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 1.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697584	IE-C6A-2.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 2.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697585	IE-C6A-5.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 5.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697586	IE-C6A-10.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 10.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697587	IE-C6A-15.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 15.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697588	IE-C6A-20.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 20.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697589	IE-C6A-25.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 25.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697590	IE-CB-50pcs CC-Link Bending tool for Patch Cable, RJ45, 50pcs box, 90°Deg radius Class 100100215: FA-MOD PLC: Other Option
697591	IE-C6A-CON-10pcs CC-Link IE Certified Patch Cable connector, easy clip, RJ45, Cat.6A, 10pcs box Class 100100215: FA-MOD PLC: Other Option