



MATERIAL FACT SHEET

221248 FX3G-14MT/ES

General Data

Product Hierarchy	IAD214
	Compact PLC
	FX3G
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3G
Power Supply (V)	100-240
Current Type	AC
Program Memory	32K STEPS
Program Memory Unit	EEPROM
Integrated Digital Inputs	8
Integrated Digital Outputs	6
Output Type	TRANSISTOR
Output Logic	SINK
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
RS-422	1
Power Consumption (W)	31
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	90
Height (mm)	90
Depth (mm)	86
Weight (kg)	0.5

Logistic Dimensions & Gross Weight

Length (cm)	12,0
Width (cm)	13,0
Height (cm)	11,0
Gross Weight (kg)	0,566
Volume (cdm)	1,716

Stock Data

Planned Delivery Time (Days)	128
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Life Cycle

Sales Start	16.04.2009
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DEBTI-10854/21-1
BTI validity date	10.10.2024

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
Shipping Approvals	ABS,BV,DNV GL,KR,LR,NK,RINA
UKCA	COMPLIANT

Product Packaging

Cardboard (g)	84
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
237698	FX3G-14/24/MR/MT/ESS PCB POWER	1	PC
237699	FX3G-14MT/ESS I/O Board	1	PC
237651	FX3G-14/24MR/MT/ES/ESS COVER TERMINAL	2	PC
237652	FX3G-14/24MR/MT/ES COVER PP	1	PC
237653	FX3G-14/24/40/60MR/MTES/ESS COVER EXT	1	PC
237654	FX3G-14/24MR/MT/ES/ESS Term-cover	1	PC
237695	FX3G-14/24MR/MT/ES/ESS Case assy	1	PC
237696	FX3G-14MR/MT/ES/ESS CPU Board	1	PC
237697	FX3G-14MR/ES I/O Board	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
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

Material	Description / Price List Text / Classification
<u>165286</u>	FX3U-32BL PLC, FX3U/C Battery Class 100101303: FA-OTHERS: Battery
<u>169507</u>	FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
<u>221252</u>	FX3G-422-BD PLC, FX3G Interface adapter RS422 Class 100100107: FA-COM PLC: Serial Com Module
<u>221253</u>	FX3G-485-BD PLC, FX3G Interface module RS485, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module
<u>221254</u>	FX3G-232-BD PLC, FX3G Interface module RS232C Class 100100107: FA-COM PLC: Serial Com Module
<u>221265</u>	FX3G-2AD-BD PLC, FX3G Analog adapter, 2 analog inputs, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
<u>221266</u>	FX3G-1DA-BD PLC, FX3G Analog adapter, 1 analog output, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
<u>221267</u>	FX3G-8AV-BD PLC, FX3G Analog setpoint adapter for 8 setpoint values Class 100100111: FA-COM PLC: Other Option
<u>221268</u>	FX3G-CNV-ADP PLC, FX3G ADP adapter for FX3U ADP modules Class 100100111: FA-COM PLC: Other Option
<u>221269</u>	FX3G-EEPROM-32L PLC, FX3G EEPROM memory cassette/loader; 32k steps PLC program Class 100100111: FA-COM PLC: Other Option
<u>221270</u>	FX3G-5DM PLC, FX3G Display Unit Class 100100111: FA-COM PLC: Other Option
<u>221271</u>	FX-30P PLC, FX Series Hand-held programming unit Class 100100111: FA-COM PLC: Other Option
<u>221540</u>	USB-CAB-5M USB 2.0 connection cable, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable
<u>234630</u>	GX Works2 V01-2L0C-E PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs Class 100101201: FA-Software: Software PLC
<u>234631</u>	GX Works2 V01-5L0C-E SPS Programming-S/W for MELSEC Q/L/F; USB; 5 PC's Class 100101201: FA-Software: Software PLC
<u>244876</u>	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
<u>244877</u>	GX Works2 V01-5L0C-G PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC
<u>248245</u>	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
<u>271699</u>	FX3G-485-BD-RJ FX3G RS485 BD Board; RJ45 Connector Type Class 100100107: FA-COM PLC: Serial Com Module
<u>271700</u>	FX3G-4EX-BD FX3G BD Board 4 Inputs DC24V Class 100100102: FA-COM PLC: Digital I/O Module
<u>271701</u>	FX3G-2EYT-BD FX3G BD Board 2 Transistor Outputs Class 100100102: FA-COM PLC: Digital I/O Module
<u>285598</u>	FX0N-30EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m Class 100100110: FA-COM PLC: Cable
<u>286227</u>	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

Material	Description / Price List Text / Classification
<u>286228</u>	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
<u>303426</u>	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
<u>338821</u>	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
<u>339022</u>	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
<u>401853</u>	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