



MATERIAL FACT SHEET

271697 FX3S-20MT/DSS

General Data

Product Hierarchy	IAD215
	Compact PLC
	FX3S
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3S
Power Supply (V)	24
Current Type	DC
Program Memory	16K STEPS
Program Memory Unit	EEPROM
Integrated Digital Inputs	12
Integrated Digital Outputs	8
Output Type	TRANSISTOR
Output Logic	SOURCE
Local I/O Points	30
Local + Remote I/O Points	30
Expandable	NO
Cycle Time LD (ns)	210
Cycle Time MOV (ns)	500
USB	1
RS-422	1
Power Consumption (W)	7
Buffer Battery	NO
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	75
Height (mm)	90
Depth (mm)	49
Weight (kg)	0,3

Logistic Dimensions & Gross Weight

Length (cm)	14,0
Width (cm)	11,0
Height (cm)	10,0
Gross Weight (kg)	0,320
Volume (cdm)	1,540

Stock Data

Planned Delivery Time (Days)	128
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Life Cycle

Sales Start	21.02.2014
Predecessor	141254 / FX1S-20MT-DSS

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
UL/cUL	COMPLIANT
EAC	COMPLIANT
Shipping Approvals	ABS,BV,DNV GL,LR,NK
UKCA	COMPLIANT

Product Packaging

Cardboard (g)	73
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
679666 FX3S-20MR/ES PCB CPU 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
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
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 output, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module

Material Description / Price List Text / Classification	
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
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	SPS Programming-S/W for Melsec Q/L/F;enl;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
267132 FX3S-CNV-ADP	FX3S ADP Adaptor for FX3U ADP Modules Class 100100111: FA-COM PLC: Other Option
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
282202 FX3S-5DM	PLC, FX3S Display Unit Class 100100111: FA-COM PLC: Other Option
286227 iQ Works V02-2L0C-E	iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;enl;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;enl;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;enl;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

Material Description / Price List Text / Classification	
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