



## MATERIAL FACT SHEET

### 231498 FX3U-16MR/DS

#### General Data

Product Hierarchy	IAD213
	Compact PLC
	FX3U
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

#### FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3U
Power Supply (V)	24
Current Type	DC
Program Memory	64K STEPS
Program Memory Unit	RAM
Integrated Digital Inputs	8
Integrated Digital Outputs	8
Output Type	RELAY
Local I/O Points	256
Local + Remote I/O Points	384
Expandable	YES
Cycle Time LD (ns)	65
Cycle Time MOV (ns)	642
USB	OPTION
RS-422	1
Power Consumption (W)	25
Buffer Battery	YES
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

#### Product Dimensions & Weight

Width (mm)	130
Height (mm)	90
Depth (mm)	86
Weight (kg)	0,6

#### Logistic Dimensions & Gross Weight

Length (cm)	15,0
Width (cm)	13,0
Height (cm)	11,0
Gross Weight (kg)	0,720
Volume (cdm)	2,145

#### Stock Data

Planned Delivery Time (Days)	156
------------------------------	-----

#### Life Cycle

Sales Start	18.03.2010
Predecessor	206174 / FX3U-16MR/DS

#### 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**

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,KR,LR,NK,RINA
UKCA	COMPLIANT


**Product Packaging**

Cardboard (g)	98
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
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
165268	FX3U-7DM PLC, FX Series Display Unit Class 100100111: FA-COM PLC: Other Option
165278	FX3U-FLROM-16 PLC, FX3U Flash-RAM memory cassette; 16k steps PLC program Class 100100111: FA-COM PLC: Other Option
165279	FX3U-FLROM-64 PLC, FX3U Series Flash-RAM memory cassette; 64k steps PLC program Class 100100111: FA-COM PLC: Other Option

Material	Description / Price List Text / Classification
<a href="#">165280</a>	FX3U-FLROM-64L PLC, FX3U Flash-RAM memory cassette; 64K steps PLC program; incl. copy function Class 100100111: FA-COM PLC: Other Option
<a href="#">165281</a>	FX3U-232-BD PLC, FX3U RS232C Interface module; for MELSEC FX3U Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">165282</a>	FX3U-422-BD PLC, FX3U RS422 Interface module; for MELSEC FX3U Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">165283</a>	FX3U-485-BD PLC, FX3U RS485 Interface module, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">165284</a>	FX3U-USB-BD PLC, FX3U USB Interface module incl. USB cable (3m) Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">165285</a>	FX3U-CNV-BD PLC, FX3U Communication adapter for MELSEC FX3U ADP special function modules Class 100100111: FA-COM PLC: Other Option
<a href="#">165286</a>	FX3U-32BL PLC, FX3U/C Battery Class 100100112: FA-COM PLC: Spare Part
<a href="#">165286</a>	FX3U-32BL PLC, FX3U/C Battery Class 100101303: FA-OTHERS: Battery
<a href="#">165287</a>	FX3U-7DM-HLD PLC, FX Series Panel Mounting Kit for FX3U-7DM incl. 1.5m cable Class 100100111: FA-COM PLC: Other Option
<a href="#">165288</a>	FX-USB-AW PLC, Interface Converter USB/RS422 between PC and MELSEC PLC, 3 m Class 100100111: FA-COM PLC: Other Option
<a href="#">169507</a>	FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
<a href="#">206147</a>	PSU 25 Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting Class 100100304: FA-HMI: Other Option
<a href="#">221271</a>	FX-30P PLC, FX Series Hand-held programming unit Class 100100111: FA-COM PLC: Other Option
<a href="#">230104</a>	FX3U-CF-ADP PLC, FX3U Data logger module; CF card slot; CSV file format Class 100100111: FA-COM PLC: Other Option
<a href="#">234630</a>	GX Works2 V01-2L0C-E PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs Class 100101201: FA-Software: Software PLC
<a href="#">234631</a>	GX Works2 V01-5L0C-E SPS Programming-S/W for Melsec Q/L/F; USB; 5 PC's Class 100101201: FA-Software: Software PLC
<a href="#">237307</a>	FX3U-8AV-BD PLC, FX3U analog setpoint adapter for 8 stpoints Class 100100111: FA-COM PLC: Other Option
<a href="#">244876</a>	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
<a href="#">244877</a>	GX Works2 V01-5L0C-G PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC
<a href="#">245565</a>	FX3U-FLROM-1M SPS, FX3U(C) Memory cassette;1MB Class 100100111: FA-COM PLC: Other Option
<a href="#">248245</a>	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
<a href="#">261190</a>	FX3U-CNV-BD-BS Class 100100111: FA-COM PLC: Other Option
<a href="#">285598</a>	FX0N-30EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m Class 100100110: FA-COM PLC: Cable

Material	Description / Price List Text / Classification
<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
<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
<u>413493</u>	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
<u>414700</u>	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
<u>506252</u>	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
<u>506253</u>	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
<u>506254</u>	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
<u>506255</u>	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