



## MATERIAL FACT SHEET

### 267126 FX3S-20MR/ES

#### General Data

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

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000267126>

#### FA-COM PLC: Main Unit

Series	MELSEC-F SERIES
Type	FX3S
Power Supply (V)	100-240
Current Type	AC
Program Memory	16K STEPS
Program Memory Unit	EEPROM
Integrated Digital Inputs	12
Integrated Digital Outputs	8
Output Type	RELAY
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)	20
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)	75
Weight (kg)	0,4

#### Logistic Dimensions & Gross Weight

Length (cm)	13,5
Width (cm)	11,0
Height (cm)	10,0
Gross Weight (kg)	0,409
Volume (cdm)	1,485

#### Stock Data

Planned Delivery Time (Days)	175
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#### Life Cycle

Sales Start	02.09.2013
Predecessor	141252 / FX1S-20MR-ES/UL

#### Additional Product Information

Binding Tariff Information	DEBTI-10854/21-1
BTI validity date	10.10.2024
Battery included	NO
Product Code	PLC(HIMEJI)

## 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	YES
REACH Substance CAS Number	<a href="#">119-47-1</a>
REACH Substance CAS Number (2)	<a href="#">1317-36-8</a>
REACH Substance CAS Number (3)	<a href="#">2451-62-9</a>
REACH Substance CAS Number (4)	<a href="#">7439-92-1</a>
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

## Conformity

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

## Documentation & Media Data

Manual URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3S-20MR/ES&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3S-20MR/ES&amp;doc-lang=en</a>
Certificates URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3S-20MR/ES&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3S-20MR/ES&amp;doc-lang=en</a>
CAD URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3S-20MR/ES&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3S-20MR/ES&amp;doc-lang=en</a>

## 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
<a href="#">679666</a>	FX3S-20MR/ES PCB CPU	1	PC

## Compatible products

Material	Description / Price List Text / Classification
<a href="#">31870</a>	FX-20P-CADP GOT FX Series Adapter cable; 0.3 m Class 100100110: FA-COM PLC: Cable
<a href="#">76094</a>	FX-422CAB0 RS422 connection cable for FX0/0S/0N/2N Class 100100110: FA-COM PLC: Cable
<a href="#">159642</a>	FX-232AWC-H RS-422/RS-232C converter to connect FX PLC and PC Class 100100111: FA-COM PLC: Other Option
<a href="#">221252</a>	FX3G-422-BD PLC, FX3G Interface adapter RS422 Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">221253</a>	FX3G-485-BD PLC, FX3G Interface module RS485, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">221254</a>	FX3G-232-BD PLC, FX3G Interface module RS232C Class 100100107: FA-COM PLC: Serial Com Module

Material	Description / Price List Text / Classification
<a href="#">221265</a>	FX3G-2AD-BD PLC, FX3G Analog adapter, 2 analog inputs, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
<a href="#">221266</a>	FX3G-1DA-BD PLC, FX3G Analog adapter, 1 analog ouput, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module
<a href="#">221267</a>	FX3G-8AV-BD PLC, FX3G Analog setpoint adapter for 8 setpoint values Class 100100111: FA-COM PLC: Other Option
<a href="#">221269</a>	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
<a href="#">221540</a>	USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable
<a href="#">234630</a>	GX Works2 2L-USB PLC Programming Software for MELSEC Q/L/F, English, 2 Licences USB 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
<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="#">267132</a>	FX3S-CNV-ADP FX3S ADP Adaptor for FX3U ADP Modules Class 100100111: FA-COM PLC: Other Option
<a href="#">271699</a>	FX3G-485-BD-RJ FX3G RS485 BD Board;RJ45 Connector Type Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">271700</a>	FX3G-4EX-BD FX3G BD Board 4 Inputs DC24V Class 100100102: FA-COM PLC: Digital I/O Module
<a href="#">271701</a>	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
<a href="#">286227</a>	iQ Works 2L-USB iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,2 Licence USB Class 100101201: FA-Software: Software PLC
<a href="#">286228</a>	iQ Works 5L-USB iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,5 Licence USB 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