



## MATERIAL FACT SHEET

### 315551 FX5UC-32MT/DSS-TS

#### General Data

Product Hierarchy	IAD21701
	Compact PLC
	FX5U CPU
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000315551>

#### FA-COM PLC: Main Unit

Series	MELSEC IQ-F SERIES
Type	FX5UC
Power Supply (V)	24
Current Type	DC
Program Memory	64K STEPS
Program Memory Unit	FLASH
Integrated Digital Inputs	16
Integrated Digital Outputs	16
Output Type	TRANSISTOR
Output Logic	SOURCE
Local I/O Points	256
Local + Remote I/O Points	512
Expandable	YES
Cycle Time LD (ns)	34
Cycle Time MOV (ns)	34
Ethernet Port	1
RS-485	1
Power Consumption (W)	5
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	-20
Max. Ambient Temperature (°C)	55

#### Product Dimensions & Weight

Width (mm)	48,1
Height (mm)	90
Depth (mm)	93,7
Weight (kg)	0,25

#### Logistic Dimensions & Gross Weight

Length (cm)	14,0
Width (cm)	11,0
Height (cm)	10,0
Gross Weight (kg)	0,318
Volume (cdm)	1,540

#### Stock Data

Planned Delivery Time (Days)	147
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#### Life Cycle

Sales Start	01.09.2017
Predecessor	No Predecessor

#### Additional Product Information

Binding Tariff Information	DEBTI-10856/21-1
BTI validity date	10.10.2024
Battery included	NO

Product Code	PLC(HIMEJI)
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### 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="#">12060-00-3</a>
REACH Substance CAS Number (3)	<a href="#">1303-86-2</a>
REACH Substance CAS Number (4)	<a href="#">629-14-1</a>
REACH Substance CAS Number (5)	<a href="#">71868-10-5</a>
REACH Substance CAS Number (6)	<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,KR,LR,NK,RINA

### Documentation & Media Data

Manual URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX5UC-32MT/DSS-TS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX5UC-32MT/DSS-TS&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=FX5UC-32MT/DSS-TS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX5UC-32MT/DSS-TS&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=FX5UC-32MT/DSS-TS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX5UC-32MT/DSS-TS&amp;doc-lang=en</a>

### Product Packaging

Cardboard (g)	75
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="#">693945</a>	FX5UC-32MT/DSS-TS PCB POWERCPU	1	PC
<a href="#">627856</a>	FX5UC-32MT/DSS-TS PCB I/O	1	PC
144881	FX1N DC FUSE SSTC3, 15A	1	PC
<a href="#">334389</a>	FX5UC-32MT/D/DSS TERMINAL BLOCK	1	PC
<a href="#">334392</a>	FX5UC-32MT/D/DSS COVER TOP	1	PC
<a href="#">334394</a>	FX5UC-32MT/D/DSS COVER BATTERY	1	PC

### Compatible products

Material	Description / Price List Text / Classification
<a href="#">104509</a>	FX2NC-100MPCB PLC, FX Series Power supply cable for FX2NC base unit, 1 m Class 100100110: FA-COM PLC: Cable
<a href="#">104510</a>	FX2NC-100BPCB Cable for 24V DC supply to input units Class 100100110: FA-COM PLC: Cable
<a href="#">104511</a>	FX2NC-10BPCB1 Crossover cable for input units Class 100100110: FA-COM PLC: Cable
<a href="#">165286</a>	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100100112: FA-COM PLC: Spare Part

Material	Description / Price List Text / Classification
<a href="#">165286</a>	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100101303: FA-OTHERS: Battery
<a href="#">280510</a>	FX5-CNV-BUS FX5;FX3 Bus Conversion Unit Class 100100111: FA-COM PLC: Other Option
<a href="#">283557</a>	FX5-CNV-IFC FX5UC;FX5U Bus Converter Class 100100111: FA-COM PLC: Other Option
<a href="#">283558</a>	FX5-CNV-BUSC FX5UC;FX3 Bus Conversion Unit Class 100100111: FA-COM PLC: Other Option
<a href="#">284378</a>	GX Works3 2L-USB PLC Programming Software for MELSEC iQ-R/F, English, 2 Licences USB Class 100101201: FA-Software: Software PLC
<a href="#">284379</a>	GX Works3 5L-USB PLC Programming Software for MELSEC iQ-R/F, English, 5 Licences USB Class 100101201: FA-Software: Software PLC
<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
<a href="#">294586</a>	FX5-C1PS-5V FX5UC;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
<a href="#">297456</a>	FX5-CNV-BC FX5;Bus Extension cable connector Class 100100111: FA-COM PLC: Other Option
<a href="#">297457</a>	FX5-30EC FX5;Bus Extension cable (0,3m) Class 100100110: FA-COM PLC: Cable
<a href="#">297458</a>	FX5-65EC FX5;Bus Extension cable (0,65m) Class 100100110: FA-COM PLC: Cable
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
304614	GX Works3 V01-2L0C-G PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 2 PCs; German Class 100101201: FA-Software: Software PLC
304645	GX Works3 V01-5L0C-G PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 5 PCs; German Class 100101201: FA-Software: Software PLC
308856	GX Works3 V01-2L0C-IT PLC Programming-S/W for Melsec iQ-R/iQ- F;engl;USB;2 PC´s; Italian 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
340984	Transcend SDHC card 16GB Class 10 SDHC memory card 16GB; Class 10; R: 30MB/s; W: 15MB/s Class 100100304: FA-HMI: Other Option
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
491761	Verbatim microSDHC Card 16GB Class 10 MicroSDHC memory card 16GB; Class 10; R/W: 10MB/s; adapter included Class 100100215: FA-MOD PLC: Other Option
<a href="#">506255</a>	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
612154	FX5-CNV-BUS-BS FX5;FX3 Bus Conversion Unit; coated Class 100100111: FA-COM PLC: Other Option

Material	Description / Price List Text / Classification
612156	FX5-CNV-IFC-BS FX5UC;FX5U Bus Converter; coated Class 100100111: FA-COM PLC: Other Option
612268	Transcend SDHC Card 8GB Class 4 SDHC memory card 8GB; Class 4; R: 18MB/s; W: 6MB/s Class 100100304: FA-HMI: Other Option
<a href="#">697551</a>	IE-C6A-0.2m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.2m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697582</a>	IE-C6A-0.5m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.5m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697583</a>	IE-C6A-1.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 1.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697584</a>	IE-C6A-2.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 2.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697585</a>	IE-C6A-5.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 5.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697586</a>	IE-C6A-10.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 10.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697587</a>	IE-C6A-15.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 15.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697588</a>	IE-C6A-20.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 20.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697589</a>	IE-C6A-25.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 25.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
<a href="#">697590</a>	IE-CB-1piece CC-Link Bending tool for Patch Cable, RJ45, 1 piece, 90°Deg radius Class 100100215: FA-MOD PLC: Other Option
<a href="#">697591</a>	IE-C6A-CON-1pc CC-Link IE Certified Patch Cable connector, easy clip, RJ45, Cat.6A, 1pc Class 100100215: FA-MOD PLC: Other Option
<a href="#">717285</a>	EDS-G2008-EL 8Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A Class 100100211: FA-MOD PLC: Network Module
<a href="#">717286</a>	EDS-G2005-EL 5Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A Class 100100211: FA-MOD PLC: Network Module
<a href="#">737856</a>	STEP3-PS/1AC/24DC/2.5/PT Power Supply; input: 1-phase 100-230VAC; output: 22-27VDC/2.5A; push-in Class 100100202: FA-MOD PLC: Power Supply Module
<a href="#">737857</a>	TRIO3-PS/1AC/24DC/5 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/5A; push-in Class 100100202: FA-MOD PLC: Power Supply Module
<a href="#">737858</a>	TRIO3-PS/1AC/24DC/10 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/10A; push-in Class 100100202: FA-MOD PLC: Power Supply Module
<a href="#">737859</a>	TRIO3-PS/1AC/24DC/20 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/20A; push-in Class 100100202: FA-MOD PLC: Power Supply Module
<a href="#">737860</a>	TRIO3-PS/3AC/24DC/20 Power Supply; input: 3-phase 400-500VAC; output: 24-28VDC/20A; push-in Class 100100202: FA-MOD PLC: Power Supply Module
<a href="#">750015</a>	iQ-F/R/MXF IO Terminal Block 18pins 1pc 18 Pin Terminal Block Spare Part - black, suitable for FX5,MXF,iQ-R modules Class 100100215: FA-MOD PLC: Other Option