



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://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000737860

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)	0
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)	240
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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

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	12060-00-3
REACH Substance CAS Number (2)	1303-86-2
REACH Substance CAS Number (3)	71868-10-5
REACH Substance CAS Number (4)	7439-92-1
REACH Substance CAS Number (5)	629-14-1
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	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FX5UC-32MT/DSS-TS&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX5UC-32MT/DSS-TS&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FX5UC-32MT/DSS-TS&doc-lang=en

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
693945	FX5UC-32MT/DSS-TS PCB POWERCPU	1	PC
627856	FX5UC-32MT/DSS-TS PCB I/O	1	PC
144881	FX1N DC FUSE SSTC3, 15A	1	PC
334389	FX5UC-32MT/D/DSS TERMINAL BLOCK	1	PC
334392	FX5UC-32MT/D/DSS COVER TOP	1	PC
334394	FX5UC-32MT/D/DSS COVER BATTERY	1	PC

Compatible products

Material	Description / Price List Text / Classification
104509	FX2NC-100MPCB PLC, FX Series Power supply cable for FX2NC base unit, 1 m Class 100100110: FA-COM PLC: Cable
104510	FX2NC-100BPCB Cable for 24V DC supply to input units Class 100100110: FA-COM PLC: Cable
104511	FX2NC-10BPCB1 Crossover cable for input units Class 100100110: FA-COM PLC: Cable
165286	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100100112: FA-COM PLC: Spare Part
165286	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100101303: FA-OTHERS: Battery

Material	Description / Price List Text / Classification
280510	FX5-CNV-BUS FX5;FX3 Bus Conversion Unit Class 100100111: FA-COM PLC: Other Option
283557	FX5-CNV-IFC FX5UC;FX5U Bus Converter Class 100100111: FA-COM PLC: Other Option
283558	FX5-CNV-BUSC FX5UC;FX3 Bus Conversion Unit Class 100100111: FA-COM PLC: Other Option
284378	GX Works3 2L-USB PLC Programming Software for MELSEC iQ-R/F, English, 2 Licences USB Class 100101201: FA-Software: Software PLC
284379	GX Works3 5L-USB PLC Programming Software for MELSEC iQ-R/F, English, 5 Licences USB Class 100101201: FA-Software: Software PLC
286227	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
286228	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
294586	FX5-C1PS-5V FX5UC;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
297456	FX5-CNV-BC FX5;Bus Extension cable connector Class 100100111: FA-COM PLC: Other Option
297457	FX5-30EC FX5;Bus Extension cable (0,3m) Class 100100110: FA-COM PLC: Cable
297458	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
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
612154	FX5-CNV-BUS-BS FX5;FX3 Bus Conversion Unit; coated Class 100100111: FA-COM PLC: Other Option
612156	FX5-CNV-IFC-BS FX5UC;FX5U Bus Converter; coated Class 100100111: FA-COM PLC: Other Option

Material	Description / Price List Text / Classification
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
697551	IE-C6A-0.2m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.2m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697582	IE-C6A-0.5m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.5m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697583	IE-C6A-1.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 1.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697584	IE-C6A-2.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 2.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697585	IE-C6A-5.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 5.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697586	IE-C6A-10.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 10.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697587	IE-C6A-15.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 15.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697588	IE-C6A-20.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 20.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697589	IE-C6A-25.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 25.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable
697590	IE-CB-1piece CC-Link Bending tool for Patch Cable, RJ45, 1 piece, 90°Deg radius Class 100100215: FA-MOD PLC: Other Option
697591	IE-C6A-CON-1pc CC-Link IE Certified Patch Cable connector, easy clip, RJ45, Cat.6A, 1pc Class 100100215: FA-MOD PLC: Other Option
717285	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
717286	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
737856	STEP3-PS/1AC/24DC/2.5/PT Power Supply; input: 1-phase 100-230VAC; output: 22-27VDC/2.5A; push-in Class 100100304: FA-HMI: Other Option
737857	TRIO3-PS/1AC/24DC/5 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/5A; push-in Class 100100304: FA-HMI: Other Option
737858	TRIO3-PS/1AC/24DC/10 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/10A; push-in Class 100100304: FA-HMI: Other Option
737859	TRIO3-PS/1AC/24DC/20 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/20A; push-in Class 100100304: FA-HMI: Other Option
737860	TRIO3-PS/3AC/24DC/20 Power Supply; input: 3-phase 400-500VAC; output: 24-28VDC/20A; push-in Class 100100304: FA-HMI: Other Option
750015	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