



MATERIAL FACT SHEET

492972 FX5UJ-24MR/ES

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/000000000000717286>

FA-COM PLC: Main Unit

Series	MELSEC IQ-F SERIES
Type	FX5UJ
Power Supply (V)	100-240
Current Type	AC
Program Memory	48K STEPS
Program Memory Unit	FLASH
Integrated Digital Inputs	14
Integrated Digital Outputs	10
Output Type	RELAY
Local I/O Points	256
Local + Remote I/O Points	512
Expandable	YES
Cycle Time LD (ns)	34
Cycle Time MOV (ns)	34
USB	1
Ethernet Port	1
Power Consumption (W)	30
Buffer Battery	NO
Protection Class	IP10
Min. Ambient Temperature (°C)	-20
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	95
Height (mm)	90
Depth (mm)	83
Weight (kg)	0,55

Logistic Dimensions & Gross Weight

Length (cm)	14,5
Width (cm)	12,5
Height (cm)	12,5
Gross Weight (kg)	0,616
Volume (cdm)	2,266

Stock Data

Planned Delivery Time (Days)	119
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Life Cycle

Sales Start	31.10.2019
Predecessor	264869 / FX3GE-24MR/ES

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	108-78-1
REACH Substance CAS Number (2)	119313-12-1
REACH Substance CAS Number (3)	12060-00-3
REACH Substance CAS Number (4)	29420-49-3
REACH Substance CAS Number (5)	7439-92-1
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	NON-COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2f94&q=FX5UJ-24MR/ES&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX5UJ-24MR/ES&doc-lang=en

Product Packaging

Cardboard (g)	63,6
Other paper (g)	45,4
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	3,5
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
685769	FX5UJ-24MR/ES RELAY	1	PC

Compatible products

Material	Description / Price List Text / Classification
221540	USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable
280509	FX5-1PSU-5V FX5;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
280511	FX5-232-BD FX5;Serial Communication Board;RS-232 Class 100100107: FA-COM PLC: Serial Com Module
280512	FX5-485-BD FX5;Serial Communication Board;RS-485 Class 100100107: FA-COM PLC: Serial Com Module
280515	FX5-422-BD-GOT FX5;Serial Communication Board;RS-422;Communication to GOT only Class 100100107: FA-COM PLC: Serial Com Module
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

Material	Description / Price List Text / Classification
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
297455	FX5-CNV-IF FX5;FX5UC Bus converter 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
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

Material	Description / Price List Text / Classification
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