



MATERIAL FACT SHEET

280495 FX5U-80MR/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/000000000000280495>

FA-COM PLC: Main Unit

Series	MELSEC IQ-F SERIES
Type	FX5U
Power Supply (V)	100-240
Current Type	AC
Program Memory	64K STEPS
Program Memory Unit	FLASH
Integrated Digital Inputs	40
Integrated Digital Outputs	40
Integrated Analogue Inputs	2
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
Ethernet Port	1
RS-485	1
Power Consumption (W)	45
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	-20
Max. Ambient Temperature (°C)	55

Product Dimensions & Weight

Width (mm)	285
Height (mm)	90
Depth (mm)	83
Weight (kg)	1,2

Logistic Dimensions & Gross Weight

Length (cm)	35,0
Width (cm)	12,0
Height (cm)	11,0
Gross Weight (kg)	1,460
Volume (cdm)	4,620

Stock Data

Planned Delivery Time (Days)	119
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Life Cycle

Sales Start	14.01.2015
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	108-78-1
REACH Substance CAS Number (2)	119313-12-1
REACH Substance CAS Number (3)	12060-00-3
REACH Substance CAS Number (4)	629-14-1
REACH Substance CAS Number (5)	71868-10-5
REACH Substance CAS Number (6)	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
Shipping Approvals	ABS,BV,DNV GL,KR,LR,NK,RINA
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FX5U-80MR/ES&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX5U-80MR/ES&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FX5U-80MR/ES&doc-lang=en

Product Packaging

Cardboard (g)	242
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	1
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
302366	FX5U-64/80Mx /ES/ESS PCB POWER	1	PC
302373	FX5U-80MR /ES PCB I/O	1	PC
302376	FX5U-32/64/80Mx /ES/ESS PCB I/F	1	PC
302377	FX5U-32/80Ex/Mx /ES/ESS TERMINAL BLOCK	1	PC
302378	FX5U-80Mx /ES/ESS TERMINAL BLOCK	1	PC
302381	FX5U-64/80Mx /ES/ESS FUSE	1	PC
302388	FX5U-80MR /ES COVER MAIN	1	PC
302393	FX5U-80Mx /ES/ESS COVER BOTTOM	1	PC
302394	FX5U-32/64/80Ex/Mx /ES/ESS COVER EXT	1	PC
302395	FX5U-32/64/80Mx /ES/ESS COVER TOP	1	PC
302396	FX5U-32/64/80Mx /ES/ESS COVER I/F	1	PC
302399	FX5U-80Mx /ES/ESS COVER TERMINAL	1	PC
302400	FX5U-32/64/80Mx /ES/ESS COVER CONNECTOR	1	PC
124463	FX1N/FX1S/FX3U/FX5U Output Relay	1	PC

Compatible products

Material	Description / Price List Text / Classification
165286	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100100112: FA-COM PLC: Spare Part

Material	Description / Price List Text / Classification
165286	FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100101303: FA-OTHERS: Battery
169507	FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
280509	FX5-1PSU-5V FX5;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
280510	FX5-CNV-BUS FX5;FX3 Bus Conversion Unit 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
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
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

Material	Description / Price List Text / Classification
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
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
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