



## MATERIAL FACT SHEET

### 280489 FX5U-32MR/ES

#### General Data

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

#### 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	16
Integrated Digital Outputs	16
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)	30
Buffer Battery	OPTION
Protection Class	IP10
Min. Ambient Temperature (°C)	0
Max. Ambient Temperature (°C)	55

#### Product Dimensions & Weight

Width (mm)	150
Height (mm)	90
Depth (mm)	83
Weight (kg)	0,65

#### Logistic Dimensions & Gross Weight

Length (cm)	17,5
Width (cm)	12,5
Height (cm)	10,5
Gross Weight (kg)	0,769
Volume (cdm)	2,297

#### Stock Data

Planned Delivery Time (Days)	240
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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

## Export Data

Commodity Code	85371091
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

## Environmental

Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

## Conformity

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

## Product Packaging

Cardboard (g)	100
Other paper (g)	23,4
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="#">302396</a>	FX5U-32/64/80Mx /ES/ESS COVER I/F	1	PC
<a href="#">302397</a>	FX5U-32Ex/Mx /ES/ESS COVER TERMINAL	1	PC
<a href="#">302400</a>	FX5U-32/64/80Mx /ES/ESS COVER CONNECTOR	1	PC
<a href="#">212463</a>	FX1N/FX1S/FX3U/FX5U Output Relay	1	PC
<a href="#">165286</a>	FX3U-32BL	1	PC
<a href="#">302365</a>	FX5U-32Ex/Mx /ES/ESS PCB POWER	1	PC
<a href="#">302367</a>	FX5U-32MR /ES PCB I/O	1	PC
<a href="#">302376</a>	FX5U-32/64/80Mx /ES/ESS PCB I/F	1	PC
<a href="#">302377</a>	FX5U-32/80Ex/Mx /ES/ESS TERMINAL BLOCK	1	PC
<a href="#">302380</a>	FX5U-32Ex/Mx/1PSU /ES/ESS FUSE	1	PC
<a href="#">302382</a>	FX5U-32MR /ES COVER MAIN	1	PC
<a href="#">302391</a>	FX5U-32Mx /ES/ESS COVER BOTTOM	1	PC
<a href="#">302394</a>	FX5U-32/64/80Ex/Mx /ES/ESS COVER EXT	1	PC
<a href="#">302395</a>	FX5U-32/64/80Mx /ES/ESS COVER TOP	1	PC

## Compatible products

Material	Description / Price List Text / Classification
<a href="#">165286</a>	FX3U-32BL PLC, FX3U/C Battery Class 100100112: FA-COM PLC: Spare Part
<a href="#">165286</a>	FX3U-32BL PLC, FX3U/C Battery Class 100101303: FA-OTHERS: Battery
<a href="#">169507</a>	FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option
<a href="#">278166</a>	SC-E5EW-S45M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;45m Class 100100214: FA-MOD PLC: Cable

Material	Description / Price List Text / Classification
<a href="#">280509</a>	FX5-1PSU-5V FX5;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
<a href="#">280510</a>	FX5-CNV-BUS FX5;FX3 Bus Conversion Unit Class 100100111: FA-COM PLC: Other Option
<a href="#">280511</a>	FX5-232-BD FX5;Serial Communication Board;RS-232 Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">280512</a>	FX5-485-BD FX5;Serial Communication Board;RS-485 Class 100100107: FA-COM PLC: Serial Com Module
<a href="#">280515</a>	FX5-422-BD-GOT FX5;Serial Communication Board;RS-422;Communication to GOT only Class 100100107: FA-COM PLC: Serial Com Module
<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 V01-2L0C-E PLC Programming-S/W for Melsec iQ-R/iQ- F; engl; USB; 2 PC's Class 100101201: FA-Software: Software PLC
<a href="#">284379</a>	GX Works3 V01-5L0C-E PLC Programming-S/W for Melsec iQ-R/iQ- F; engl; USB; 5 PC's Class 100101201: FA-Software: Software PLC
<a href="#">284966</a>	NZ1MEM-2GBSD SD Memory Card; 2 GByte Class 100100215: FA-MOD PLC: Other Option
<a href="#">284967</a>	NZ1MEM-4GBSD SD Memory Card; 4 GByte Class 100100215: FA-MOD PLC: Other Option
<a href="#">284968</a>	NZ1MEM-8GBSD SD Memory Card; 8 GByte Class 100100215: FA-MOD PLC: Other Option
<a href="#">284969</a>	NZ1MEM-16GBSD SD Memory Card; 16 GByte Class 100100215: FA-MOD PLC: Other Option
<a href="#">286227</a>	iQ Works V02-2L0C-E iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;2 PC's Class 100101201: FA-Software: Software PLC
<a href="#">286228</a>	iQ Works V02-5L0C-E iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;5 PC's Class 100101201: FA-Software: Software PLC
291807	SC-E5EW-S1M-MV Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m Class 100100214: FA-MOD PLC: Cable
291808	SC-E5EW-S3M-MV Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 3m Class 100100214: FA-MOD PLC: Cable
<a href="#">294586</a>	FX5-C1PS-5V FX5UC;Power Supply Unit 5VDC Bus Class 100100111: FA-COM PLC: Other Option
<a href="#">295425</a>	SC-E5EW-S05M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;0,5m Class 100100214: FA-MOD PLC: Cable
<a href="#">295426</a>	SC-E5EW-S1M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m Class 100100214: FA-MOD PLC: Cable
<a href="#">295427</a>	SC-E5EW-S3M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m Class 100100214: FA-MOD PLC: Cable
<a href="#">297455</a>	FX5-CNV-IF FX5;FX5UC Bus converter 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

Material	Description / Price List Text / Classification
<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
<a href="#">303426</a>	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
<a href="#">304614</a>	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
<a href="#">304645</a>	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
<a href="#">308856</a>	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
<a href="#">338821</a>	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
<a href="#">339022</a>	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
<a href="#">340984</a>	Transcend SDHC card 16GB Class 10 SDHC memory card 16GB; Class 10; R: 30MB/s; W: 15MB/s Class 100100304: FA-HMI: Other Option
<a href="#">401853</a>	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
<a href="#">413182</a>	SC-E5EW-S10M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;10m Class 100100214: FA-MOD PLC: Cable
<a href="#">413183</a>	SC-E5EW-S25M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;25m Class 100100214: FA-MOD PLC: Cable
<a href="#">413184</a>	SC-E5EW-S5M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 5m Class 100100214: FA-MOD PLC: Cable
<a href="#">486376</a>	SC-E5EW-S2M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m Class 100100214: FA-MOD PLC: Cable
<a href="#">486377</a>	SC-E5EW-S4M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 4m Class 100100214: FA-MOD PLC: Cable
<a href="#">487403</a>	SC-E5EW-S15M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;15m Class 100100214: FA-MOD PLC: Cable
<a href="#">487404</a>	SC-E5EW-S20M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;20m Class 100100214: FA-MOD PLC: Cable
<a href="#">491761</a>	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="#">557483</a>	SC-E5EW-S100M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;100m Class 100100214: FA-MOD PLC: Cable
<a href="#">612154</a>	FX5-CNV-BUS-BS FX5;FX3 Bus Conversion Unit; coated Class 100100111: FA-COM PLC: Other Option
<a href="#">612156</a>	FX5-CNV-IFC-BS FX5UC;FX5U Bus Converter; coated Class 100100111: FA-COM PLC: Other Option
<a href="#">612268</a>	Transcend SDHC Card 8GB Class 4 SDHC memory card 8GB; Class 4; R: 18MB/s; W: 6MB/s Class 100100304: FA-HMI: Other Option