



MATERIAL FACT SHEET

210072 FX3UC-16MT/D

General Data

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|---------------------|-------------------------------------|
| Product Hierarchy | IAD213 |
| | Compact PLC |
| | FX3U |
| Ext. Material Group | 10 STANDARD ITEM |
| ABC Indicator | B (Limited Availability from Stock) |

FA-COM PLC: Main Unit

| | |
|-------------------------------|-----------------|
| Series | MELSEC-F SERIES |
| Type | FX3UC |
| Power Supply (V) | 24 |
| Current Type | DC |
| Program Memory | 64K STEPS |
| Program Memory Unit | EEPROM |
| Integrated Digital Inputs | 8 |
| Integrated Digital Outputs | 8 |
| Output Type | TRANSISTOR |
| Output Logic | SINK |
| Local I/O Points | 256 |
| Local + Remote I/O Points | 384 |
| Expandable | YES |
| Cycle Time LD (ns) | 65 |
| Cycle Time MOV (ns) | 642 |
| RS-422 | 1 |
| Power Consumption (W) | 6 |
| Buffer Battery | YES |
| Protection Class | IP10 |
| Min. Ambient Temperature (°C) | 0 |
| Max. Ambient Temperature (°C) | 55 |

Product Dimensions & Weight

| | |
|-------------|-----|
| Width (mm) | 34 |
| Height (mm) | 90 |
| Depth (mm) | 74 |
| Weight (kg) | 0,2 |

Logistic Dimensions & Gross Weight

| | |
|-------------------|-------|
| Length (cm) | 13,5 |
| Width (cm) | 11,5 |
| Height (cm) | 10,0 |
| Gross Weight (kg) | 0,287 |
| Volume (cdm) | 1,553 |

Stock Data

| | |
|------------------------------|-----|
| Planned Delivery Time (Days) | 300 |
|------------------------------|-----|

Life Cycle

| | |
|-------------|----------------|
| Sales Start | 12.12.2007 |
| Predecessor | No Predecessor |

Additional Product Information

| | |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBTI-10854/21-1 |
| BTI validity date | 10.10.2024 |
| Battery included | YES – CHECK SPARE PART LIST |

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

Conformity

| | |
|--------------------|-----------------------|
| CE | COMPLIANT |
| Shipping Approvals | ABS,BV,DNV GL,LR,RINA |
| UKCA | COMPLIANT |

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 |
|---------------|-------------|----------|------|
| <u>165286</u> | FX3U-32BL | 1 | PC |

Compatible products

| Material | Description / Price List Text / Classification |
|---------------|--|
| <u>31870</u> | FX-20P-CADP GOT FX Series Adapter cable; 0.3 m Class 100100110: FA-COM PLC: Cable |
| <u>45348</u> | FX0N-65EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.65m Class 100100110: FA-COM PLC: Cable |
| <u>70880</u> | FX2N-CNV-BC PLC, FX2N Adapter for FX extension or special function modules Class 100100111: FA-COM PLC: Other Option |
| <u>76094</u> | FX-422CAB0 RS422 connection cable for FX0/0S/0N/2N Class 100100110: FA-COM PLC: Cable |
| <u>104508</u> | FX2NC-CNV-IF PLC, FX3UC Communication adapter for FX special function modules Class 100100111: FA-COM PLC: Other Option |
| <u>104509</u> | FX2NC-100MPCB PLC, FX Series Power supply cable for FX2NC base unit, 1 m Class 100100110: FA-COM PLC: Cable |
| <u>104510</u> | FX2NC-100BPCB Cable for 24V DC supply to input units Class 100100110: FA-COM PLC: Cable |
| <u>104511</u> | FX2NC-10BPCB1 Crossover cable for input units Class 100100110: FA-COM PLC: Cable |
| <u>125189</u> | FX-16E-TB/UL PLC, FX Series Extension terminal block 16 inputs/outputs Class 100100111: FA-COM PLC: Other Option |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 125584 | FX-16E-150CAB PLC, FX Series Connecting cable 1,5 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable |
| 128722 | FX-16E-300CAB PLC, FX Series Connecting cable 3 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable |
| 128723 | FX-16E-500CAB-S PLC, FX Series Connecting cable 5 m FX2N-XXGM > External devices Class 100100110: FA-COM PLC: Cable |
| 130451 | FX-16E-500CAB PLC, FX Series Connecting cable 5 m FX2N-XXGM > terminal block Class 100100110: FA-COM PLC: Cable |
| 134236 | FX-16E-150CAB-R PLC, FX Series Extension terminal block cable, 1,5 m Class 100100110: FA-COM PLC: Cable |
| 134265 | FX-16E-300CAB-R PLC, FX Series Extension terminal block cable, 3 m Class 100100110: FA-COM PLC: Cable |
| 134270 | FX-16E-500CAB-R PLC, FX Series Extension terminal block cable, 5 m Class 100100110: FA-COM PLC: Cable |
| 149038 | TB-EX-CAB-1M PLC, FX Series Connection cable 1 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable |
| 149039 | TB-EX-CAB-3M PLC, FX Series Connection cable 3 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable |
| 149040 | TB-EX-CAB-5M PLC, FX Series Connection cable 5 m for terminal block TB-EX / TB-20 Class 100100110: FA-COM PLC: Cable |
| 149041 | TB-EY-CAB-1M PLC, FX Series Connection cable 1 m for 2 pcs. terminal block TB-EY Class 100100110: FA-COM PLC: Cable |
| 149042 | TB-EY-CAB-3M PLC, FX Series Connection cable 3 m for 2 pcs. terminal block TB-EY Class 100100110: FA-COM PLC: Cable |
| 149043 | TB-EY-CAB-5M PLC, FX Series Connection cable 5 m for 2 pcs. terminal block TB-EY Class 100100110: FA-COM PLC: Cable |
| 149044 | TB-8EY-S PLC, FX Series Terminal block for 8 outputs, screw connection Class 100100111: FA-COM PLC: Other Option |
| 149145 | TB-8EX-C PLC, FX Series Sensor terminal block for 8 inputs, cage clamb connection Class 100100111: FA-COM PLC: Other Option |
| 149148 | TB-20-S PLC, FX Series Terminal block, 20 pin., screw connection Class 100100111: FA-COM PLC: Other Option |
| 159642 | FX-232AWC-H RS-422/RS-232C converter to connect FX PLC and PC Class 100100111: FA-COM PLC: Other Option |
| 165278 | FX3U-FLROM-16 PLC, FX3U Flash-RAM memory cassette; 16k steps PLC program Class 100100111: FA-COM PLC: Other Option |
| 165279 | FX3U-FLROM-64 PLC, FX3U Series Flash-RAM memory cassette; 64k steps PLC program Class 100100111: FA-COM PLC: Other Option |
| 165280 | FX3U-FLROM-64L PLC, FX3U Flash-RAM memory cassette; 64K steps PLC program; incl. copy function Class 100100111: FA-COM PLC: Other Option |
| 165286 | FX3U-32BL PLC, FX3U/C Battery Class 100100112: FA-COM PLC: Spare Part |
| 165286 | FX3U-32BL PLC, FX3U/C Battery Class 100101303: FA-OTHERS: Battery |
| 165288 | FX-USB-AW PLC, Interface Converter USB/RS422 between PC and MELSEC PLC, 3 m Class 100100111: FA-COM PLC: Other Option |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 210091 | FX3UC-1PS-5V PLC, FX Series Power Supply module for 5V bus Class 100100111: FA-COM PLC: Other Option |
| 221271 | FX-30P PLC, FX Series Hand-held programming unit Class 100100111: FA-COM PLC: Other Option |
| 230104 | FX3U-CF-ADP PLC, FX3U Data logger module; CF card slot; CSV file format Class 100100111: FA-COM PLC: Other Option |
| 234630 | GX Works2 V01-2L0C-E PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs Class 100101201: FA-Software: Software PLC |
| 234631 | GX Works2 V01-5L0C-E SPS Programming-S/W for Melsec Q/L/F;engl;USB;5 PC 's Class 100101201: FA-Software: Software PLC |
| 244876 | GX Works2 V01-2L0C-G PLC Programming S/W for MELSEC Q/L/F Series; German; USB; 2 PCs Class 100101201: FA-Software: Software PLC |
| 244877 | GX Works2 V01-5L0C-G PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC |
| 245091 | FX2NC-CNV-IF-BS PLC, FX3UC Communication adapter for FX special function modules; coated Class 100100111: FA-COM PLC: Other Option |
| 245565 | FX3U-FLROM-1M SPS, FX3U(C) Memory cassette;1MB Class 100100111: FA-COM PLC: Other Option |
| 248245 | FX-20P-CAB0 PLC, FX Series Connection Cable with FX-10P-E/FX-20P-ESET0/FX-10DM-E,1,5m Class 100100110: FA-COM PLC: Cable |
| 285598 | FX0N-30EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m Class 100100110: FA-COM PLC: Cable |
| 286227 | 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 |
| 286228 | 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 |
| 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 |
| 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 |
| 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 |
| 413493 | TRIO-PS-2G/1AC/24DC/5 Power supply unit for 100-240V AC; Output 24V DC / 5A, DIN rail mounting Class 100100304: FA-HMI: Other Option |
| 414700 | TRIO-PS-2G/1AC/24DC/3/C2LPS Power supply unit for 100-240V AC; Output 24V DC / 3A C2LPS, DIN rail mounting Class 100100304: FA-HMI: Other Option |
| 506252 | TRIO-PS-2G/1AC/24DC/10 Primary switched power supply; input: single phase, output: 24 VDC/10A, DIN rail Class 100100304: FA-HMI: Other Option |
| 506253 | TRIO-PS-2G/1AC/24DC/20 Primary switched power supply; input: single phase, output: 24 VDC/20A, DIN rail Class 100100304: FA-HMI: Other Option |
| 506254 | TRIO-PS-2G/3AC/24DC/20 Primary switched power supply; input: 3-phase, output: 24 VDC/20A, DIN rail Class 100100304: FA-HMI: 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 |

| Material | Description / Price List Text / Classification |
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| 599623 | FX2C-I/O-CON FX Series connector for flat cable; 20 pin; 1,27 pitch; AWG28; 10 pieces set Class 100100111: FA-COM PLC: Other Option |
| 599624 | FX2C-I/O-CON-S FX Series connector for loose wire; 20 pin; incl. cripm contacts; AWG22; 5 sets Class 100100111: FA-COM PLC: Other Option |
| 599625 | FX2C-I/O-CON-SA FX Series connector for loose wire; 20 pin; incl. cripm contacts; AWG20; 5 sets Class 100100111: FA-COM PLC: Other Option |