



## MATERIAL FACT SHEET

### 231504 FX3U-32MT/DSS

#### General Data

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

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000231504](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000231504)

#### FA-COM PLC: Main Unit

|                               |                 |
|-------------------------------|-----------------|
| Series                        | MELSEC-F SERIES |
| Type                          | FX3U            |
| Power Supply (V)              | 24              |
| Current Type                  | DC              |
| Program Memory                | 64K STEPS       |
| Program Memory Unit           | RAM             |
| Integrated Digital Inputs     | 16              |
| Integrated Digital Outputs    | 16              |
| Output Type                   | TRANSISTOR      |
| Output Logic                  | SOURCE          |
| Local I/O Points              | 256             |
| Local + Remote I/O Points     | 384             |
| Expandable                    | YES             |
| Cycle Time LD (ns)            | 65              |
| Cycle Time MOV (ns)           | 642             |
| USB                           | OPTION          |
| RS-422                        | 1               |
| Power Consumption (W)         | 30              |
| Buffer Battery                | YES             |
| Protection Class              | IP10            |
| Min. Ambient Temperature (°C) | 0               |
| Max. Ambient Temperature (°C) | 55              |

#### Product Dimensions & Weight

|             |      |
|-------------|------|
| Width (mm)  | 150  |
| Height (mm) | 90   |
| Depth (mm)  | 86   |
| Weight (kg) | 0,65 |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 18,0  |
| Width (cm)        | 12,5  |
| Height (cm)       | 11,5  |
| Gross Weight (kg) | 0,777 |
| Volume (cdm)      | 2,588 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 58 |
|------------------------------|----|

#### Life Cycle

|             |                        |
|-------------|------------------------|
| Sales Start | 18.03.2010             |
| Predecessor | 206185 / FX3U-32MT/DSS |

#### 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

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

## Documentation & Media Data

|                            |                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual URL Indicator       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3U-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3U-32MT/DSS&amp;doc-lang=en</a> |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3U-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3U-32MT/DSS&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3U-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3U-32MT/DSS&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 106 |
| 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 |
|------------------------|-------------|----------|------|
| <a href="#">165286</a> | FX3U-32BL   | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                   |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">31870</a>  | FX-20P-CADP<br>GOT FX Series Adapter cable; 0.3 m<br>Class 100100110: FA-COM PLC: Cable                                          |
| <a href="#">45348</a>  | FX0N-65EC<br>PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.65m<br>Class 100100110: FA-COM PLC: Cable |
| <a href="#">70880</a>  | FX2N-CNV-BC<br>PLC, FX2N Adapter for FX extension or special function modules<br>Class 100100111: FA-COM PLC: Other Option       |
| <a href="#">76094</a>  | FX-422CAB0<br>RS422 connection cable for FX0/0S/0N/2N<br>Class 100100110: FA-COM PLC: Cable                                      |
| <a href="#">159642</a> | FX-232AWC-H<br>RS-422/RS-232C converter to connect FX PLC and PC<br>Class 100100111: FA-COM PLC: Other Option                    |
| <a href="#">165268</a> | FX3U-7DM<br>PLC, FX Series Display Unit<br>Class 100100111: FA-COM PLC: Other Option                                             |
| <a href="#">165278</a> | FX3U-FLROM-16<br>PLC, FX3U Flash-RAM memory cassette; 16k steps PLC program<br>Class 100100111: FA-COM PLC: Other Option         |
| <a href="#">165279</a> | FX3U-FLROM-64<br>PLC, FX3U Series Flash-RAM memory cassette; 64k steps PLC program<br>Class 100100111: FA-COM PLC: Other Option  |

| Material               | Description / Price List Text / Classification                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">165280</a> | FX3U-FLROM-64L<br>PLC, FX3U Flash-RAM memory cassette; 64K steps PLC program; incl. copy function<br>Class 100100111: FA-COM PLC: Other Option |
| <a href="#">165281</a> | FX3U-232-BD<br>PLC, FX3U RS232C Interface module; for MELSEC FX3U<br>Class 100100107: FA-COM PLC: Serial Com Module                            |
| <a href="#">165282</a> | FX3U-422-BD<br>PLC, FX3U RS422 Interface module; for MELSEC FX3U<br>Class 100100107: FA-COM PLC: Serial Com Module                             |
| <a href="#">165283</a> | FX3U-485-BD<br>PLC, FX3U RS485 Interface module, 1:n Multidrop, network expansion until 50 m<br>Class 100100107: FA-COM PLC: Serial Com Module |
| <a href="#">165284</a> | FX3U-USB-BD<br>PLC, FX3U USB Interface module incl. USB cable (3m)<br>Class 100100107: FA-COM PLC: Serial Com Module                           |
| <a href="#">165285</a> | FX3U-CNV-BD<br>PLC, FX3U Communication adapter for MELSEC FX3U ADP special function modules<br>Class 100100111: FA-COM PLC: Other Option       |
| <a href="#">165286</a> | FX3U-32BL<br>PLC, FX3U/C Battery<br>Class 100100112: FA-COM PLC: Spare Part                                                                    |
| <a href="#">165286</a> | FX3U-32BL<br>PLC, FX3U/C Battery<br>Class 100101303: FA-OTHERS: Battery                                                                        |
| <a href="#">165287</a> | FX3U-7DM-HLD<br>PLC, FX Series Panel Mounting Kit for FX3U-7DM incl. 1.5m cable<br>Class 100100111: FA-COM PLC: Other Option                   |
| <a href="#">165288</a> | FX-USB-AW<br>PLC, Interface Converter USB/RS422 between PC and MELSEC PLC, 3 m<br>Class 100100111: FA-COM PLC: Other Option                    |
| <a href="#">169507</a> | FX3U-1PSU-5V<br>PLC, FX Series Power supply module for 5V bus<br>Class 100100111: FA-COM PLC: Other Option                                     |
| <a href="#">206147</a> | PSU 25<br>Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting<br>Class 100100304: FA-HMI: Other Option                         |
| <a href="#">221271</a> | FX-30P<br>PLC, FX Series Hand-held programming unit<br>Class 100100111: FA-COM PLC: Other Option                                               |
| <a href="#">230104</a> | FX3U-CF-ADP<br>PLC, FX3U Data logger module; CF card slot; CSV file format<br>Class 100100111: FA-COM PLC: Other Option                        |
| <a href="#">234630</a> | GX Works2 V01-2L0C-E<br>PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs<br>Class 100101201: FA-Software: Software PLC                        |
| <a href="#">234631</a> | GX Works2 V01-5L0C-E<br>PLC Programming –S/W for MELSEC Q/L/F;engl;USB;5 PC's<br>Class 100101201: FA-Software: Software PLC                    |
| <a href="#">237307</a> | FX3U-8AV-BD<br>PLC, FX3U analog setpoint adapter for 8 stpoints<br>Class 100100111: FA-COM PLC: Other Option                                   |
| <a href="#">244876</a> | GX Works2 V01-2L0C-G<br>PLC Programming –S/W for MELSEC Q/L/F Series; German; USB; 2 PCs<br>Class 100101201: FA-Software: Software PLC         |
| <a href="#">244877</a> | GX Works2 V01-5L0C-G<br>PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs<br>Class 100101201: FA-Software: Software PLC                        |
| <a href="#">245565</a> | FX3U-FLROM-1M<br>SPS, FX3U(C) Memory cassette;1MB<br>Class 100100111: FA-COM PLC: Other Option                                                 |
| <a href="#">248245</a> | FX-20P-CAB0<br>PLC, FX Series Connection Cable with FX-10P-E/FX-20P-ESET0/FX-10DM-E,1,5m<br>Class 100100110: FA-COM PLC: Cable                 |
| 261190                 | FX3U-CNV-BD-BS<br><br>Class 100100111: FA-COM PLC: Other Option                                                                                |
| <a href="#">285598</a> | FX0N-30EC<br>PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.30m<br>Class 100100110: FA-COM PLC: Cable               |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">286227</a> | iQ Works V02-2L0C-E<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;2 PC´s<br>Class 100101201: FA-Software: Software PLC           |
| <a href="#">286228</a> | iQ Works V02-5L0C-E<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;5 PC´s<br>Class 100101201: FA-Software: Software PLC           |
| <a href="#">303426</a> | iQ Works V02-15L0C-E<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;engl;USB;15 PC´s<br>Class 100101201: FA-Software: Software PLC         |
| <a href="#">338821</a> | iQ Works V02-2L0C-G<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;German;USB;2 PC´s<br>Class 100101201: FA-Software: Software PLC         |
| <a href="#">339022</a> | iQ Works V02-5L0C-G<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;German;USB;5 PC´s<br>Class 100101201: FA-Software: Software PLC         |
| <a href="#">401853</a> | iQ Works V02-2L0C-IT<br>iQ Works V2.0;incl Navigator,GX Works,GT Works,MT Works;Italian;USB;2 PCs<br>Class 100101201: FA-Software: Software PLC        |
| <a href="#">413493</a> | TRIO-PS-2G/1AC/24DC/5<br>Power supply unit for 100-240V AC; Output 24V DC / 5A, DIN rail mounting<br>Class 100100304: FA-HMI: Other Option             |
| 414700                 | TRIO-PS-2G/1AC/24DC/3/C2LPS<br>Power supply unit for 100-240V AC; Output 24V DC / 3A C2LPS, DIN rail mounting<br>Class 100100304: FA-HMI: Other Option |
| <a href="#">506252</a> | TRIO-PS-2G/1AC/24DC/10<br>Primary switched power supply; input: single phase, output: 24 VDC/10A, DIN rail<br>Class 100100304: FA-HMI: Other Option    |
| <a href="#">506253</a> | TRIO-PS-2G/1AC/24DC/20<br>Primary switched power supply; input: single phase, output: 24 VDC/20A, DIN rail<br>Class 100100304: FA-HMI: Other Option    |
| <a href="#">506254</a> | TRIO-PS-2G/3AC/24DC/20<br>Primary switched power supply; input: 3-phase, output: 24 VDC/20A, DIN rail<br>Class 100100304: FA-HMI: Other Option         |
| <a href="#">506255</a> | TRIO-PS-2G/3AC/24DC/40<br>Primary switched power supply; input: 3-phase, output: 24 VDC/40A, DIN rail<br>Class 100100304: FA-HMI: Other Option         |