



## MATERIAL FACT SHEET

### 231493 FX3U-32MT/ESS

#### 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/000000000000231493](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000231493)

#### FA-COM PLC: Main Unit

|                               |                 |
|-------------------------------|-----------------|
| Series                        | MELSEC-F SERIES |
| Type                          | FX3U            |
| Power Supply (V)              | 100-240         |
| Current Type                  | AC              |
| 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)         | 35              |
| 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)       | 17,5  |
| Width (cm)        | 12,5  |
| Height (cm)       | 11,5  |
| Gross Weight (kg) | 0,810 |
| Volume (cdm)      | 2,516 |

#### Stock Data

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

#### Life Cycle

|             |                        |
|-------------|------------------------|
| Sales Start | 18.03.2010             |
| Predecessor | 206169 / FX3U-32MT/ESS |

#### 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                   |
| UL/cUL             | COMPLIANT                   |
| EAC                | NON-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/ESS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3U-32MT/ESS&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/ESS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3U-32MT/ESS&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/ESS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3U-32MT/ESS&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 Battery | 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                    |
| 165268                 | 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 Battery<br>Battery for PLC types FX3 / FX5<br>Class 100100112: FA-COM PLC: Spare Part   |
| <a href="#">165286</a> | FX3U-32BL Battery<br>Battery for PLC types FX3 / FX5<br>Class 100101303: FA-OTHERS: Battery   |
| 165287                 | 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  |
| 221271                 | 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 2L-USB<br>PLC Programming Software for MELSEC Q/L/F, English, 2 Licences USB<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                                      |
| 244876                 | 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            |
| 244877                 | 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                  |
| <a href="#">286227</a> | iQ Works 2L-USB<br>iQ Works V2.0, inc Navigator/GX Works/GT Works/MT Works, English, 2 Licences USB<br>Class 100101201: FA-Software: Software PLC |

| Material               | Description / Price List Text / Classification   |
|------------------------|--|
| <a href="#">286228</a> | iQ Works 5L-USB<br>iQ Works V2.0, incl Navigator/GX Works/GT Works/MT Works, English, 5 Licences USB<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     |
| 338821                 | 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     |
| 339022                 | 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    |