



## MATERIAL FACT SHEET

### 251546 FX3GC-32MT/DSS

#### General Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product Hierarchy   | IAD214                              |
|                     | Compact PLC                         |
|                     | FX3G                                |
| Ext. Material Group | 10 STANDARD ITEM                    |
| ABC Indicator       | B (Limited Availability from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000251546](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000251546)

#### FA-COM PLC: Main Unit

|                               |                 |
|-------------------------------|-----------------|
| Series                        | MELSEC-F SERIES |
| Type                          | FX3GC           |
| Power Supply (V)              | 24              |
| Current Type                  | DC              |
| Program Memory                | 32K STEPS       |
| Program Memory Unit           | EEPROM          |
| Integrated Digital Inputs     | 16              |
| Integrated Digital Outputs    | 16              |
| Output Type                   | TRANSISTOR      |
| Output Logic                  | SOURCE          |
| Local I/O Points              | 128             |
| Local + Remote I/O Points     | 258             |
| Expandable                    | YES             |
| Cycle Time LD (ns)            | 210             |
| Cycle Time MOV (ns)           | 500             |
| USB                           | 1               |
| RS-422                        | 1               |
| Power Consumption (W)         | 8               |
| Buffer Battery                | OPTION          |
| 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)       | 14,0  |
| Width (cm)        | 11,5  |
| Height (cm)       | 10,5  |
| Gross Weight (kg) | 0,274 |
| Volume (cdm)      | 1,691 |

#### Stock Data

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

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 17.07.2012     |
| 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

|                                          |            |
|------------------------------------------|------------|
| 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 |
| 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=FX3GC-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FX3GC-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=FX3GC-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FX3GC-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=FX3GC-32MT/DSS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FX3GC-32MT/DSS&amp;doc-lang=en</a> |

## 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 |
|------------------------|-------------|----------|------|
| <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="#">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="#">104508</a> | FX2NC-CNV-IF<br>PLC, FX3UC Communication adapter for FX special function modules<br>Class 100100111: FA-COM PLC: Other Option    |
| <a href="#">104509</a> | FX2NC-100MPCB<br>PLC, FX Series Power supply cable for FX2NC base unit, 1 m<br>Class 100100110: FA-COM PLC: Cable                |
| <a href="#">104510</a> | FX2NC-100BPCB<br>Cable for 24V DC supply to input units<br>Class 100100110: FA-COM PLC: Cable                                    |

| Material               | Description / Price List Text / Classification                                                                                 |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">104511</a> | FX2NC-10BPCB1<br>Crossover cable for input units<br>Class 100100110: FA-COM PLC: Cable                                         |
| <a href="#">125189</a> | FX-16E-TB/UL<br>PLC, FX Series Extension terminal block 16 inputs/outputs<br>Class 100100111: FA-COM PLC: Other Option         |
| <a href="#">125584</a> | FX-16E-150CAB<br>PLC, FX Series Connecting cable 1,5 m FX2N-XXGM > terminal block<br>Class 100100110: FA-COM PLC: Cable        |
| 128722                 | FX-16E-300CAB<br>PLC, FX Series Connecting cable 3 m FX2N-XXGM > terminal block<br>Class 100100110: FA-COM PLC: Cable          |
| 128723                 | FX-16E-500CAB-S<br>PLC, FX Series Connecting cable 5 m FX2N-XXGM > External devices<br>Class 100100110: FA-COM PLC: Cable      |
| <a href="#">128724</a> | FX-32E-TB/UL<br>PLC, FX Series Extension terminal block 32 inputs/outputs<br>Class 100100111: FA-COM PLC: Other Option         |
| <a href="#">130451</a> | FX-16E-500CAB<br>PLC, FX Series Connecting cable 5 m FX2N-XXGM > terminal block<br>Class 100100110: FA-COM PLC: Cable          |
| <a href="#">134236</a> | FX-16E-150CAB-R<br>PLC, FX Series Extension terminal block cable, 1,5 m<br>Class 100100110: FA-COM PLC: Cable                  |
| <a href="#">134265</a> | FX-16E-300CAB-R<br>PLC, FX Series Extension terminal block cable, 3 m<br>Class 100100110: FA-COM PLC: Cable                    |
| <a href="#">134270</a> | FX-16E-500CAB-R<br>PLC, FX Series Extension terminal block cable, 5 m<br>Class 100100110: FA-COM PLC: Cable                    |
| <a href="#">149021</a> | TB-16EX-S<br>PLC, FX Series Sensor terminal block for 16 inputs, screw connection<br>Class 100100111: FA-COM PLC: Other Option |
| <a href="#">149038</a> | TB-EX-CAB-1M<br>PLC, FX Series Connection cable 1 m for terminal block TB-EX / TB-20<br>Class 100100110: FA-COM PLC: Cable     |
| <a href="#">149039</a> | TB-EX-CAB-3M<br>PLC, FX Series Connection cable 3 m for terminal block TB-EX / TB-20<br>Class 100100110: FA-COM PLC: Cable     |
| <a href="#">149040</a> | TB-EX-CAB-5M<br>PLC, FX Series Connection cable 5 m for terminal block TB-EX / TB-20<br>Class 100100110: FA-COM PLC: Cable     |
| <a href="#">149148</a> | TB-20-S<br>PLC, FX Series Terminal block, 20 pin., screw connection<br>Class 100100111: FA-COM PLC: Other Option               |
| <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="#">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="#">210091</a> | FX3UC-1PS-5V<br>PLC, FX Series Power Supply module for 5V bus<br>Class 100100111: FA-COM PLC: 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="#">221540</a> | USB-CAB-5M<br>USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m<br>Class 100100303: FA-HMI: Cable                  |
| <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    |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                |
| 245091                 | FX2NC-CNV-IF-BS<br>PLC, FX3UC Communication adapter for FX special function modules; coated<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                         |
| <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="#">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 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         |
| <a href="#">599623</a> | FX2C-I/O-CON<br>FX Series connector for flat cable; 20 pin; 1,27 pitch; AWG28; 10 pieces set<br>Class 100100111: FA-COM PLC: Other Option              |
| <a href="#">599624</a> | FX2C-I/O-CON-S<br>FX Series connector for loose wire; 20 pin; incl. crim contacts; AWG22; 5 sets<br>Class 100100111: FA-COM PLC: Other Option          |
| <a href="#">599625</a> | FX2C-I/O-CON-SA<br>FX Series connector for loose wire; 20 pin; incl. crim contacts; AWG20; 5 sets<br>Class 100100111: FA-COM PLC: Other Option         |