



MATERIAL FACT SHEET

271696 FX3S-14MT/DSS

General Data

| | |
|---------------------|--------------------------|
| Product Hierarchy | IAD215 |
| | Compact PLC |
| | FX3S |
| 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/000000000000271696

FA-COM PLC: Main Unit

| | |
|-------------------------------|-----------------|
| Series | MELSEC-F SERIES |
| Type | FX3S |
| Power Supply (V) | 24 |
| Current Type | DC |
| Program Memory | 16K STEPS |
| Program Memory Unit | EEPROM |
| Integrated Digital Inputs | 8 |
| Integrated Digital Outputs | 6 |
| Output Type | TRANSISTOR |
| Output Logic | SOURCE |
| Local I/O Points | 30 |
| Local + Remote I/O Points | 30 |
| Expandable | NO |
| Cycle Time LD (ns) | 210 |
| Cycle Time MOV (ns) | 500 |
| USB | 1 |
| RS-422 | 1 |
| Power Consumption (W) | 6,5 |
| Buffer Battery | NO |
| Protection Class | IP10 |
| Min. Ambient Temperature (°C) | 0 |
| Max. Ambient Temperature (°C) | 55 |

Product Dimensions & Weight

| | |
|-------------|------|
| Width (mm) | 60 |
| Height (mm) | 90 |
| Depth (mm) | 49 |
| Weight (kg) | 0,22 |

Logistic Dimensions & Gross Weight

| | |
|-------------------|-------|
| Length (cm) | 14,0 |
| Width (cm) | 11,0 |
| Height (cm) | 10,0 |
| Gross Weight (kg) | 0,320 |
| Volume (cdm) | 1,540 |

Stock Data

| | |
|------------------------------|----|
| Planned Delivery Time (Days) | 65 |
|------------------------------|----|

Life Cycle

| | |
|-------------|------------------------|
| Sales Start | 21.02.2014 |
| Predecessor | 141249 / FX1S-14MT-DSS |

Additional Product Information

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|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10854/21-1 |
| 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

| | |
|----------------------------|-----------|
| 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,LR,NK |
| UKCA | COMPLIANT |

Documentation & Media Data

| | |
|----------------------------|---|
| Manual URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FX3S-14MT/DSS&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX3S-14MT/DSS&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FX3S-14MT/DSS&doc-lang=en |

Product Packaging

| | |
|-------------------|----|
| Cardboard (g) | 73 |
| 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 |

Compatible products

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 31870 | FX-20P-CADP GOT FX Series Adapter cable; 0.3 m Class 100100110: FA-COM PLC: Cable |
| 76094 | FX-422CAB0 RS422 connection cable for FX0/0S/0N/2N Class 100100110: FA-COM PLC: Cable |
| 159642 | FX-232AWC-H RS-422/RS-232C converter to connect FX PLC and PC Class 100100111: FA-COM PLC: Other Option |
| 221252 | FX3G-422-BD PLC, FX3G Interface adapter RS422 Class 100100107: FA-COM PLC: Serial Com Module |
| 221253 | FX3G-485-BD PLC, FX3G Interface module RS485, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module |
| 221254 | FX3G-232-BD PLC, FX3G Interface module RS232C Class 100100107: FA-COM PLC: Serial Com Module |
| 221265 | FX3G-2AD-BD PLC, FX3G Analog adapter, 2 analog inputs, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module |
| 221266 | FX3G-1DA-BD PLC, FX3G Analog adapter, 1 analog output, 12bit Class 100100103: FA-COM PLC: Analogue I/O Module |
| 221267 | FX3G-8AV-BD PLC, FX3G Analog setpoint adapter for 8 setpoint values Class 100100111: FA-COM PLC: Other Option |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 221269 | FX3G-EEPROM-32L PLC, FX3G EEPROM memory cassette/loader; 32k steps PLC program Class 100100111: FA-COM PLC: Other Option |
| 221271 | FX-30P PLC, FX Series Hand-held programming unit Class 100100111: FA-COM PLC: Other Option |
| 221540 | USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable |
| 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 Programmig –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC |
| 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 |
| 267132 | FX3S-CNV-ADP FX3S ADP Adaptor for FX3U ADP Modules Class 100100111: FA-COM PLC: Other Option |
| 271699 | FX3G-485-BD-RJ FX3G RS485 BD Board;RJ45 Connector Type Class 100100107: FA-COM PLC: Serial Com Module |
| 271700 | FX3G-4EX-BD FX3G BD Board 4 Inputs DC24V Class 100100102: FA-COM PLC: Digital I/O Module |
| 271701 | FX3G-2EYT-BD FX3G BD Board 2 Transistor Outputs Class 100100102: FA-COM PLC: Digital I/O Module |
| 282202 | FX3S-5DM PLC, FX3S Display Unit Class 100100111: FA-COM PLC: Other Option |
| 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 |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 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 |