



MATERIAL FACT SHEET

231499 FX3U-32MR/DS

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) |

e-shop: <https://emea-fa.mitsubishielectric.com/fa/shop/material-page/00000000000231499>

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 | RELAY |
| 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) | 12,0 |
| Height (cm) | 11,0 |
| Gross Weight (kg) | 0,800 |
| Volume (cdm) | 2,376 |

Stock Data

| | |
|------------------------------|-----|
| Planned Delivery Time (Days) | 119 |
|------------------------------|-----|

Life Cycle

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|---------------|---------------------------------------|
| Sales Start | 18.03.2010 |
| Predecessor | 206175 / FX3U-32MR/DS |
| Successor | 297436 / FX5U-32MR/DS |
| Successor (2) | 696210 / FX5UJ-40MR/DS |

Additional Product Information

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|----------------------------|------------------|
| Binding Tariff Information | DEBTI-45394/25-1 |
| BTI validity date | 25.01.2029 |

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|------------------|-----------------------------|
| Battery included | YES - CHECK SPARE PART LIST |
| Product Code | PLC(HIMEJI) |

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 | YES |
| REACH Substance CAS Number | 119-47-1 |
| REACH Substance CAS Number (2) | 1303-86-2 |
| REACH Substance CAS Number (3) | 1317-36-8 |
| REACH Substance CAS Number (4) | 2451-62-9 |
| REACH Substance CAS Number (5) | 25155-23-1 |
| REACH Substance CAS Number (6) | 26523-78-4 |
| REACH Substance CAS Number (7) | 71868-10-5 |
| REACH Substance CAS Number (8) | 7439-92-1 |
| REACH Substance CAS Number (9) | 79-94-7 |
| 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 | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FX3U-32MR/DS&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FX3U-32MR/DS&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FX3U-32MR/DS&doc-lang=en |

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 |
|------------------------|-------------------|----------|------|
| 165286 | FX3U-32BL Battery | 1 | PC |

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 |
| 45348 | FX0N-65EC PLC, FX Series Connection Cable for Base and Extension units FX0N/FX2N, 0.65m Class 100100110: FA-COM PLC: Cable |
| 70880 | FX2N-CNV-BC PLC, FX2N Adapter for FX extension or special function modules Class 100100111: FA-COM PLC: Other Option |
| 76094 | FX-422CAB0 RS422 connection cable for FX0/0S/0N/2N Class 100100110: FA-COM PLC: Cable |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 159642 | FX-232AWC-H RS-422/RS-232C converter to connect FX PLC and PC Class 100100111: FA-COM PLC: Other Option |
| 165268 | FX3U-7DM PLC, FX Series Display Unit 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 |
| 165281 | FX3U-232-BD PLC, FX3U RS232C Interface module; for MELSEC FX3U Class 100100107: FA-COM PLC: Serial Com Module |
| 165282 | FX3U-422-BD PLC, FX3U RS422 Interface module; for MELSEC FX3U Class 100100107: FA-COM PLC: Serial Com Module |
| 165283 | FX3U-485-BD PLC, FX3U RS485 Interface module, 1:n Multidrop, network expansion until 50 m Class 100100107: FA-COM PLC: Serial Com Module |
| 165284 | FX3U-USB-BD PLC, FX3U USB Interface module incl. USB cable (3m) Class 100100107: FA-COM PLC: Serial Com Module |
| 165285 | FX3U-CNV-BD PLC, FX3U Communication adapter for MELSEC FX3U ADP special function modules Class 100100111: FA-COM PLC: Other Option |
| 165286 | FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100100112: FA-COM PLC: Spare Part |
| 165286 | FX3U-32BL Battery Battery for PLC types FX3 / FX5 Class 100101303: FA-OTHERS: Battery |
| 165287 | FX3U-7DM-HLD PLC, FX Series Panel Mounting Kit for FX3U-7DM incl. 1.5m cable Class 100100111: FA-COM PLC: Other Option |
| 165288 | FX-USB-AW PLC, Interface Converter USB/RS422 between PC and MELSEC PLC, 3 m Class 100100111: FA-COM PLC: Other Option |
| 169507 | FX3U-1PSU-5V PLC, FX Series Power supply module for 5V bus Class 100100111: FA-COM PLC: Other Option |
| 206147 | PSU 25 Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting Class 100100304: FA-HMI: 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 2L-USB PLC Programming Software for MELSEC Q/L/F, English, 2 Licences USB Class 100101201: FA-Software: Software PLC |
| 234631 | GX Works2 V01-5L0C-E PLC Programming –S/W for MELSEC Q/L/F;engl;USB;5 PC's Class 100101201: FA-Software: Software PLC |
| 237307 | FX3U-8AV-BD PLC, FX3U analog setpoint adapter for 8 stpoints Class 100100111: FA-COM PLC: Other Option |
| 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 |

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 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 |
| 261190 | FX3U-CNV-BD-BS Class 100100111: FA-COM PLC: Other Option |
| 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 2L-USB iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,2 Licence USB Class 100101201: FA-Software: Software PLC |
| 286228 | iQ Works 5L-USB iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,5 Licence USB 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 |
| 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 |
| 737856 | STEP3-PS/1AC/24DC/2.5/PT Power Supply; input: 1-phase 100-230VAC; output: 22-27VDC/2.5A; push-in Class 100100202: FA-MOD PLC: Power Supply Module |
| 737857 | TRIO3-PS/1AC/24DC/5 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/5A; push-in Class 100100202: FA-MOD PLC: Power Supply Module |
| 737858 | TRIO3-PS/1AC/24DC/10 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/10A; push-in Class 100100202: FA-MOD PLC: Power Supply Module |
| 737859 | TRIO3-PS/1AC/24DC/20 Power Supply; input: 1-phase 100-230VAC; output: 24-28VDC/20A; push-in Class 100100202: FA-MOD PLC: Power Supply Module |
| 737860 | TRIO3-PS/3AC/24DC/20 Power Supply; input: 3-phase 400-500VAC; output: 24-28VDC/20A; push-in Class 100100202: FA-MOD PLC: Power Supply Module |