



MATERIAL FACT SHEET

290234 R120ENCPU

General Data

| | |
|---------------------|--|
| Product Hierarchy | IAD51401 |
| | Modular PLC |
| | IQ-R Standard |
| Ext. Material Group | 10 STANDARD ITEM |
| ABC Indicator | C (Non-Stock Material / Make-to-Order) |

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_1A/EUR/en/p/000000000000290234

FA-MOD PLC: CPU Module

| | |
|------------------------------|--------------------------------|
| Series | MELSEC IQ-R SERIES |
| Type | STANDARD CPU (WITH CC-LINK IE) |
| Program Memory | 1200K |
| Program Memory Unit | STEPS |
| Local I/O Points | 4096 |
| Local + Remote I/O Points | 4096 |
| Cycle Time LD (ns) | 0,98 |
| Cycle Time MOV (ns) | 1,96 |
| USB | 1 |
| Ethernet Port | 1 |
| Buffer Battery | YES |
| Int. Current Consumption (A) | 1,49 |

Product Dimensions & Weight

| | |
|-------------|-----|
| Width (mm) | 56 |
| Height (mm) | 106 |
| Depth (mm) | 110 |
| Weight (kg) | 0,4 |

Logistic Dimensions & Gross Weight

| | |
|-------------------|-------|
| Length (cm) | 16,5 |
| Width (cm) | 15,0 |
| Height (cm) | 8,0 |
| Gross Weight (kg) | 0,425 |
| Volume (cdm) | 1,980 |

Stock Data

| | |
|------------------------------|----|
| Planned Delivery Time (Days) | 75 |
|------------------------------|----|

Life Cycle

| | |
|-------------|----------------|
| Sales Start | 28.08.2015 |
| Predecessor | No Predecessor |

Additional Product Information

| | |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBTI-52748/20-1 |
| BTI validity date | 27.06.2024 |
| 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 | YES |
|----------------------|-----|

| | |
|--------------------------------|----------------------------|
| REACH Substance CAS Number | 110-71-4 |
| REACH Substance CAS Number (2) | 12060-00-3 |
| REACH Substance CAS Number (3) | 1303-86-2 |
| REACH Substance CAS Number (4) | 2451-62-9 |
| REACH Substance CAS Number (5) | 7439-92-1 |
| 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,LR,NK,RINA |
| UKCA | COMPLIANT |

Documentation & Media Data

| | |
|----------------------------|---|
| Manual URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=R120ENCPU&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=R120ENCPU&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=R120ENCPU&doc-lang=en |

Product Packaging

| | |
|-------------------|----|
| Cardboard (g) | 55 |
| Other paper (g) | 36 |
| Aluminum (g) | 0 |
| Steel (g) | 0 |
| Styrofoam (g) | 0 |
| Other plastic (g) | 6 |
| Wood (g) | 0 |
| Glass (g) | 0 |
| Others (g) | 0 |

Spare parts

| Material | Description | Quantity | Unit |
|------------------------|-------------|----------|------|
| 130376 | Q6BAT | 1 | PC |

Compatible products

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 130376 | Q6BAT Lithium Cell for Programmable Controller type Q CPU; CR238L-CN159S 3V Class 100100216: FA-MOD PLC: Spare Part |
| 130376 | Q6BAT Lithium Cell for Programmable Controller type Q CPU; CR238L-CN159S 3V Class 100101303: FA-OTHERS: Battery |
| 221540 | USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable |
| 283583 | NZ2MC-8MBS PLC iQ-R Series SRAM Card 8MB Class 100100215: FA-MOD PLC: Other Option |
| 283682 | NZ2MC-4MBS PLC iQ-R Series SRAM Card 4MB Class 100100215: FA-MOD PLC: Other Option |
| 283683 | NZ2MC-2MBS PLC iQ-R Series SRAM Card 2MB Class 100100215: FA-MOD PLC: Other Option |
| 283684 | NZ2MC-1MBS PLC iQ-R Series SRAM Card 1MB Class 100100215: FA-MOD PLC: Other Option |
| 284378 | GX Works3 2L-USB PLC Programming Software for MELSEC iQ-R/F, English, 2 Licences USB Class 100101201: FA-Software: Software PLC |
| 284379 | GX Works3 5L-USB PLC Programming Software for MELSEC iQ-R/F, English, 5 Licences USB Class 100101201: FA-Software: Software PLC |

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 286227 | iQ Works 2L-USB iQ Works V2.0, inc Navigator/GX Works/GT Works/MT Works, English, 2 Licences USB Class 100101201: FA-Software: Software PLC |
| 286228 | iQ Works 5L-USB iQ Works V2.0, inc Navigator/GX Works/GT Works/MT Works, English, 5 Licences 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 |
| 304614 | GX Works3 V01-2L0C-G PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 2 PCs; German Class 100101201: FA-Software: Software PLC |
| 304645 | GX Works3 V01-5L0C-G PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 5 PCs; German Class 100101201: FA-Software: Software PLC |
| 308856 | GX Works3 V01-2L0C-IT PLC Programming-S/W for Melsec iQ-R/iQ- F; engl; USB; 2 PC's; Italian Class 100101201: FA-Software: Software PLC |
| 311472 | NZ2MC-16MBS PLC iQ-R Series SRAM Card 16MB Class 100100215: FA-MOD PLC: Other Option |
| 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 |
| 339094 | NZ1BLC PLC iQ-R Series battery-less option memory cassette Class 100100215: FA-MOD PLC: Other Option |
| 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 |
| 470796 | Q7BATN PLC Q Series Battery for CPU; 3 V DC; 6000 mAh Class 100100216: FA-MOD PLC: Spare Part |
| 470796 | Q7BATN PLC Q Series Battery for CPU; 3 V DC; 6000 mAh Class 100101303: FA-OTHERS: Battery |
| 470797 | Q7BATN-SET PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder Class 100100216: FA-MOD PLC: Spare Part |
| 470797 | Q7BATN-SET PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder Class 100101303: FA-OTHERS: Battery |
| 491761 | Verbatim microSDHC Card 16GB Class 10 MicroSDHC memory card 16GB; Class 10; R/W: 10MB/s; adapter included Class 100100215: FA-MOD PLC: Other Option |
| 612268 | Transcend SDHC Card 8GB Class 4 SDHC memory card 8GB; Class 4; R: 18MB/s; W: 6MB/s Class 100100304: FA-HMI: Other Option |
| 697551 | IE-C6A-0.2m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.2m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697582 | IE-C6A-0.5m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.5m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697583 | IE-C6A-1.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 1.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697584 | IE-C6A-2.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 2.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697585 | IE-C6A-5.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 5.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697586 | IE-C6A-10.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 10.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 697587 | IE-C6A-15.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 15.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697588 | IE-C6A-20.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 20.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697589 | IE-C6A-25.0m CC-Link IE Certified Patch Cable RJ45 Cat.6A, 25.0m, for Cabinet Class 100100214: FA-MOD PLC: Cable |
| 697590 | IE-CB-1piece CC-Link Bending tool for Patch Cable, RJ45, 1 piece, 90°Deg radius Class 100100215: FA-MOD PLC: Other Option |
| 697591 | IE-C6A-CON-10pcs CC-Link IE Certified Patch Cable connector, easy clip, RJ45, Cat.6A, 10pcs box Class 100100215: FA-MOD PLC: Other Option |
| 717285 | EDS-G2008-EL 8Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A Class 100100211: FA-MOD PLC: Network Module |
| 717286 | EDS-G2005-EL 5Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A Class 100100211: FA-MOD PLC: Network Module |