



## MATERIAL FACT SHEET

### 279579 R32CPU

#### General Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product Hierarchy   | IAD51401                            |
|                     | Modular PLC                         |
|                     | IQ-R Standard                       |
| Ext. Material Group | 10 STANDARD ITEM                    |
| ABC Indicator       | B (Limited Availability from Stock) |

Shop: <https://emea-fa.mitsubishielectric.com/fa/shop/material-page/00000000000279579>

#### FA-MOD PLC: CPU Module

|                              |                    |
|------------------------------|--------------------|
| Series                       | MELSEC IQ-R SERIES |
| Type                         | STANDARD CPU       |
| Program Memory               | 320K               |
| Program Memory Unit          | STEPS              |
| Local I/O Points             | 4096               |
| Local + Remote I/O Points    | 12288              |
| Cycle Time LD (ns)           | 0,98               |
| Cycle Time MOV (ns)          | 1,96               |
| USB                          | 1                  |
| Ethernet Port                | 1                  |
| Buffer Battery               | YES                |
| Int. Current Consumption (A) | 0,67               |

#### Product Dimensions & Weight

|             |          |
|-------------|----------|
| Width (mm)  | 27,8     |
| Height (mm) | 98 (106) |
| Depth (mm)  | 110      |
| Weight (kg) | 0,2      |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 16,0  |
| Width (cm)        | 15,0  |
| Height (cm)       | 5,0   |
| Gross Weight (kg) | 0,270 |
| Volume (cdm)      | 1,200 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 94 |
|------------------------------|----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 09.12.2014     |
| 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 |
| Product Code               | PLC(NAGOYA)                 |

#### 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     | <a href="#">108-78-1</a>   |
| REACH Substance CAS Number (2) | <a href="#">110-71-4</a>   |
| REACH Substance CAS Number (3) | <a href="#">12060-00-3</a> |
| REACH Substance CAS Number (4) | <a href="#">71868-10-5</a> |
| REACH Substance CAS Number (5) | <a href="#">7439-92-1</a>  |
| 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       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=R32CPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=R32CPU&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=R32CPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=R32CPU&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=R32CPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=R32CPU&amp;doc-lang=en</a> |

### Product Packaging

|                   |    |
|-------------------|----|
| Cardboard (g)     | 45 |
| Other paper (g)   | 26 |
| Aluminum (g)      | 0  |
| Steel (g)         | 0  |
| Styrofoam (g)     | 0  |
| Other plastic (g) | 3  |
| Wood (g)          | 0  |
| Glass (g)         | 0  |
| Others (g)        | 0  |

### Spare parts

| Material               | Description | Quantity | Unit |
|------------------------|-------------|----------|------|
| <a href="#">130376</a> | Q6BAT       | 1        | PC   |

### Compatible products

| Material               | Description / Price List Text / Classification  |
|------------------------|---|
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR238L-CN159S 3V<br>Class 100100216: FA-MOD PLC: Spare Part             |
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR238L-CN159S 3V<br>Class 100101303: FA-OTHERS: Battery                 |
| <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="#">283583</a> | NZ2MC-8MBS<br>PLC iQ-R Series SRAM Card 8MB<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">283682</a> | NZ2MC-4MBS<br>PLC iQ-R Series SRAM Card 4MB<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">283683</a> | NZ2MC-2MBS<br>PLC iQ-R Series SRAM Card 2MB<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">283684</a> | NZ2MC-1MBS<br>PLC iQ-R Series SRAM Card 1MB<br>Class 100100215: FA-MOD PLC: Other Option  |
| <a href="#">284378</a> | GX Works3 2L-USB<br>PLC Programming Software for MELSEC iQ-R/F, English, 2 Licences USB<br>Class 100101201: FA-Software: Software PLC |

| Material               | Description / Price List Text / Classification  |
|------------------------|---|
| <a href="#">284379</a> | GX Works3 5L-USB<br>PLC Programming Software for MELSEC iQ-R/F, English, 5 Licences USB<br>Class 100101201: FA-Software: Software PLC                     |
| <a href="#">286227</a> | iQ Works 2L-USB<br>iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,2 Licence USB<br>Class 100101201: FA-Software: Software PLC         |
| <a href="#">286228</a> | iQ Works 5L-USB<br>iQ Works V2.0,inc Navigator/GX/GT/MT Works/RT Toolbox3 inc SIM,Eng,5 Licence USB<br>Class 100101201: FA-Software: Software PLC         |
| 303426                 | 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            |
| 304614                 | GX Works3 V01-2L0C-G<br>PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 2 PCs; German<br>Class 100101201: FA-Software: Software PLC     |
| 304645                 | GX Works3 V01-5L0C-G<br>PLC Programming SW; Melsec iQ-R/iQ- F only (no GXW2/GX Dev); USB; 5 PCs; German<br>Class 100101201: FA-Software: Software PLC     |
| 308856                 | GX Works3 V01-2L0C-IT<br>PLC Programming-S/W for Melsec iQ-R/iQ- F;engl;USB;2 PC's; Italian<br>Class 100101201: FA-Software: Software PLC                 |
| <a href="#">311472</a> | NZ2MC-16MBS<br>PLC iQ-R Series SRAM Card 16MB<br>Class 100100215: FA-MOD PLC: Other Option  |
| 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="#">339094</a> | NZ1BLC<br>PLC iQ-R Series battery-less option memory cassette<br>Class 100100215: FA-MOD PLC: Other Option  |
| 401853                 | 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="#">470796</a> | Q7BATN<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh<br>Class 100100216: FA-MOD PLC: Spare Part   |
| <a href="#">470796</a> | Q7BATN<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh<br>Class 100101303: FA-OTHERS: Battery   |
| <a href="#">470797</a> | Q7BATN-SET<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder<br>Class 100100216: FA-MOD PLC: Spare Part                             |
| <a href="#">470797</a> | Q7BATN-SET<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder<br>Class 100101303: FA-OTHERS: Battery                                 |
| 491761                 | Verbatim microSDHC Card 16GB Class 10<br>MicroSDHC memory card 16GB; Class 10; R/W: 10MB/s; adapter included<br>Class 100100215: FA-MOD PLC: Other Option |
| 612268                 | Transcend SDHC Card 8GB Class 4<br>SDHC memory card 8GB; Class 4; R: 18MB/s; W: 6MB/s<br>Class 100100304: FA-HMI: Other Option                            |
| <a href="#">697551</a> | IE-C6A-0.2m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.2m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                                      |
| <a href="#">697582</a> | IE-C6A-0.5m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 0.5m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                                      |
| <a href="#">697583</a> | IE-C6A-1.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 1.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                                      |
| <a href="#">697584</a> | IE-C6A-2.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 2.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                                      |
| <a href="#">697585</a> | IE-C6A-5.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 5.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                                      |

| Material               | Description / Price List Text / Classification  |
|------------------------|---|
| <a href="#">697586</a> | IE-C6A-10.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 10.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                          |
| <a href="#">697587</a> | IE-C6A-15.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 15.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                          |
| <a href="#">697588</a> | IE-C6A-20.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 20.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                          |
| <a href="#">697589</a> | IE-C6A-25.0m<br>CC-Link IE Certified Patch Cable RJ45 Cat.6A, 25.0m, for Cabinet<br>Class 100100214: FA-MOD PLC: Cable                          |
| <a href="#">697590</a> | IE-CB-1piece<br>CC-Link Bending tool for Patch Cable, RJ45, 1 piece, 90°Deg radius<br>Class 100100215: FA-MOD PLC: Other Option                 |
| <a href="#">697591</a> | IE-C6A-CON-1pc<br>CC-Link IE Certified Patch Cable connector, easy clip, RJ45, Cat.6A, 1pc<br>Class 100100215: FA-MOD PLC: Other Option         |
| <a href="#">717285</a> | EDS-G2008-EL<br>8Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A<br>Class 100100211: FA-MOD PLC: Network Module |
| <a href="#">717286</a> | EDS-G2005-EL<br>5Port Entry-level Unmanaged Switch,10/100/1000BaseT(X),CCLink IE Field/TSN Cl. A<br>Class 100100211: FA-MOD PLC: Network Module |