



## MATERIAL FACT SHEET

### 290232 R32ENCPU

#### General Data

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

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_I/A/EUR/en/p/000000000000290232](https://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000290232)

#### FA-MOD PLC: CPU Module

|                              |                                |
|------------------------------|--------------------------------|
| Series                       | MELSEC IQ-R SERIES             |
| Type                         | STANDARD CPU (WITH CC-LINK IE) |
| Program Memory               | 320K                           |
| 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) | 0,422 |
| 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

|                                          |            |
|------------------------------------------|------------|
| 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="#">110-71-4</a> |

|                                |                            |
|--------------------------------|----------------------------|
| REACH Substance CAS Number (2) | <a href="#">12060-00-3</a> |
| REACH Substance CAS Number (3) | <a href="#">1303-86-2</a>  |
| REACH Substance CAS Number (4) | <a href="#">2451-62-9</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                | 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=R32ENCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=R32ENCPU&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=R32ENCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=R32ENCPU&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=R32ENCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=R32ENCPU&amp;doc-lang=en</a> |

### Product Packaging

|                   |    |
|-------------------|----|
| Cardboard (g)     | 55 |
| Other paper (g)   | 36 |
| Aluminum (g)      | 0  |
| Steel (g)         | 0  |
| Styrofoam (g)     | 0  |
| Other plastic (g) | 5  |
| Wood (g)          | 0  |
| Glass (g)         | 0  |
| Others (g)        | 0  |

### Compatible products

| Material               | Description / Price List Text / Classification                                                                                         |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 3V<br>Class 100100216: FA-MOD PLC: Spare Part                |
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 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="#">278166</a> | SC-E5EW-S45M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;45m<br>Class 100100214: FA-MOD PLC: 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 V01-2L0C-E<br>PLC Programming-S/W for Melsec iQ-R/iQ- F; engl; USB; 2 PC's<br>Class 100101201: FA-Software: Software PLC     |
| <a href="#">284379</a> | GX Works3 V01-5L0C-E<br>PLC Programming-S/W for Melsec iQ-R/iQ- F; engl; USB; 5 PC's<br>Class 100101201: FA-Software: Software PLC     |
| <a href="#">284966</a> | NZ1MEM-2GBSD<br>SD Memory Card; 2 GByte<br>Class 100100215: FA-MOD PLC: Other Option                                                   |

| Material               | Description / Price List Text / Classification                                                                                                        |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">284967</a> | NZ1MEM-4GBSD<br>SD Memory Card; 4 GByte<br>Class 100100215: FA-MOD PLC: Other Option                                                                  |
| <a href="#">284968</a> | NZ1MEM-8GBSD<br>SD Memory Card; 8 GByte<br>Class 100100215: FA-MOD PLC: Other Option                                                                  |
| <a href="#">284969</a> | NZ1MEM-16GBSD<br>SD Memory Card; 16 GByte<br>Class 100100215: FA-MOD PLC: Other Option                                                                |
| <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          |
| 291807                 | SC-E5EW-S1M-MV<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m<br>Class 100100214: FA-MOD PLC: Cable              |
| 291808                 | SC-E5EW-S3M-MV<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 3m<br>Class 100100214: FA-MOD PLC: Cable              |
| <a href="#">295425</a> | SC-E5EW-S05M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;0.5m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">295426</a> | SC-E5EW-S1M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m<br>Class 100100214: FA-MOD PLC: Cable                 |
| <a href="#">295427</a> | SC-E5EW-S3M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m<br>Class 100100214: FA-MOD PLC: Cable                 |
| <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="#">304614</a> | 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 |
| <a href="#">304645</a> | 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 |
| <a href="#">308856</a> | 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                                                            |
| <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="#">339094</a> | NZ1BLC<br>PLC iQ-R Series battery-less option memory cassette<br>Class 100100215: FA-MOD PLC: Other Option                                            |
| <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="#">413182</a> | SC-E5EW-S10M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;10m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">413183</a> | SC-E5EW-S25M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;25m<br>Class 100100214: FA-MOD PLC: Cable                |
| <a href="#">413184</a> | SC-E5EW-S5M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 5m<br>Class 100100214: FA-MOD PLC: Cable                 |
| <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                                                   |

| Material               | Description / Price List Text / Classification                                                                                                            |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                 |
| <a href="#">486376</a> | SC-E5EW-S2M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m<br>Class 100100214: FA-MOD PLC: Cable                     |
| <a href="#">486377</a> | SC-E5EW-S4M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 4m<br>Class 100100214: FA-MOD PLC: Cable                     |
| <a href="#">487403</a> | SC-E5EW-S15M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;15m<br>Class 100100214: FA-MOD PLC: Cable                    |
| <a href="#">487404</a> | SC-E5EW-S20M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;20m<br>Class 100100214: FA-MOD PLC: Cable                    |
| <a href="#">491761</a> | 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 |
| <a href="#">557483</a> | SC-E5EW-S100M<br>Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;100m<br>Class 100100214: FA-MOD PLC: Cable                   |