



MATERIAL FACT SHEET

219061 FR-D710W-0.4K

General Data

| | |
|---------------------|--|
| Product Hierarchy | IAK23701 |
| | INVERTER |
| | FR-D720 |
| Ext. Material Group | 10 EOL ANNOUNCED |
| ABC Indicator | C (Non-Stock Material / Make-to-Order) |

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000219061>

FA-Inverter: Inverter

| | |
|-------------------------------|------------------------------|
| Series | FR-D700 SERIES |
| Type | FR-D700 COMPACT INVERTER |
| Minimum Rated Voltage (V) | 100 |
| Min. Permissible Voltage (V) | 90 |
| Maximum Rated Voltage (V) | 115 |
| Max. Permissible Voltage (V) | 132 |
| Current Type | AC |
| Phases | 1 |
| Rated Output Current ND (A) | 2.5 |
| Rated Motor Capacity ND (kW) | 0.4 |
| Frequency Range (Hz) | - |
| Control Method | MAGNETIC FLUX VECTOR CONTROL |
| Control Method (2) | SOFT-PWM/HIGH FREQUENCY PWM |
| Control Method (3) | V/F CONTROL |
| Motor Type | INDUCTION MOTOR |
| Brake Chopper ED (%) | 30 |
| Integrated EMC Filter | NO |
| Safe Torque Off (STO) | YES |
| Regenerative (4Q) | NO |
| Integrated DC Choke | NO |
| Display | BUILT-IN |
| Display Type | 4 DIGITS LED |
| PLC Function | NO |
| Integrated Digital Inputs | 5 |
| Digital Outputs (Transistor) | 1 |
| Digital Outputs (Relay) | 1 |
| Integrated Analogue Inputs | 2 |
| Integrated Analogue Outputs | 1 |
| IO Type of Terminal Block | SPRING CLAMP |
| Expandable | NO |
| RS-485 | 1 |
| USB | NO |
| Ethernet Port | NO |
| Built-In Network | MODBUS-RTU |
| Leakage Current (mA) | 1 |
| Power Loss ND (W) | 32 |
| Standby Power Consumption (W) | 5.5-10.5 |
| Protection Class | IP20 |

Product Dimensions & Weight

| | |
|-------------|-------|
| Width (mm) | 68 |
| Height (mm) | 128 |
| Depth (mm) | 142,5 |
| Weight (kg) | 0,9 |

Logistic Dimensions & Gross Weight

| | |
|-------------|------|
| Length (cm) | 23,0 |
|-------------|------|

| | |
|-------------------|-------|
| Width (cm) | 18,0 |
| Height (cm) | 10,0 |
| Gross Weight (kg) | 1,260 |
| Volume (cdm) | 4,140 |

Stock Data

| | |
|------------------------------|-----|
| Planned Delivery Time (Days) | 161 |
|------------------------------|-----|

Life Cycle

| | |
|--------------------------|---|
| Sales Start | 07.01.2009 |
| Discontinued (EOL) | 01.01.2026 |
| Last Time Buy (LTB) | 31.12.2026 |
| Last Time Purchase (LTP) | 31.01.2027 |
| End of Service (EOS) | 31.01.2034 |
| Predecessor | No Predecessor |
| Successor | 738891 / FR-D810W-0.4K-025-60 |

Additional Product Information

| | |
|------------------|------------------------|
| Battery included | NO |
| Product Code | INV(EXCEPT VECTOR INV) |

Export Data

| | |
|--|------------|
| Commodity Code | 85044095 |
| 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 | 108-78-1 |
| REACH Substance CAS Number (2) | 119313-12-1 |
| REACH Substance CAS Number (3) | 12060-00-3 |
| REACH Substance CAS Number (4) | 15571-58-1 |
| REACH Substance CAS Number (5) | 3147-75-9 |
| REACH Substance CAS Number (6) | 540-97-6 |
| REACH Substance CAS Number (7) | 541-02-6 |
| REACH Substance CAS Number (8) | 556-67-2 |
| REACH Substance CAS Number (9) | 71868-10-5 |
| REACH Substance CAS Number (10) | 7439-92-1 |
| REACH Substance CAS Number (11) | 79-94-7 |
| Dangerous Goods Class | NO |
| Dangerous Goods Identifier | NO |
| RoHS Compliance | COMPLIANT |
| WEEE | B2B |

Conformity

| | |
|--------|-----------|
| CE | COMPLIANT |
| UL/cUL | COMPLIANT |
| EAC | COMPLIANT |
| UKCA | COMPLIANT |

Documentation & Media Data

| | |
|----------------------------|---|
| Manual URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-D710W-0.4K&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-D710W-0.4K&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-D710W-0.4K&doc-lang=en |

Product Packaging

| | |
|-------------------|-----|
| Cardboard (g) | 200 |
| Other paper (g) | 0 |
| Aluminum (g) | 0 |
| Steel (g) | 0 |
| Styrofoam (g) | 0 |
| Other plastic (g) | 10 |
| Wood (g) | 0 |
| Glass (g) | 0 |
| Others (g) | 0 |

Spare parts

| Material | Description | Quantity | Unit |
|------------------------|--------------------------------|-----------------|-------------|
| 221882 | FR-D720S front cover 0,2-0,75K | 1 | PC |