



## MATERIAL FACT SHEET

### 316586 FR-E740-095SC-ENE

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAK234                                 |
|                     | INVERTER                               |
|                     | FR-E740                                |
| Ext. Material Group | 10 DISCONTINUED                        |
| ABC Indicator       | C (Non-Stock Material / Make-to-Order) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000316586](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000316586)

#### FA-Inverter: Inverter

|                               |                                |
|-------------------------------|--------------------------------|
| Series                        | FR-E700 SERIES                 |
| Type                          | FR-E700-ENE INVERTER           |
| Minimum Rated Voltage (V)     | 380                            |
| Min. Permissible Voltage (V)  | 325                            |
| Maximum Rated Voltage (V)     | 480                            |
| Max. Permissible Voltage (V)  | 528                            |
| Current Type                  | AC                             |
| Phases                        | 3                              |
| Rated Output Current ND (A)   | 9,5                            |
| Rated Motor Capacity ND (kW)  | 3,7                            |
| Frequency Range (Hz)          | -                              |
| Control Method                | MAGNETIC FLUX VECTOR CONTROL   |
| Control Method (2)            | 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                  | 3 DIGITS LED                   |
| PLC Function                  | NO                             |
| Integrated Digital Inputs     | 6                              |
| Digital Outputs (Transistor)  | 2                              |
| Digital Outputs (Relay)       | 1                              |
| Integrated Analogue Inputs    | 2                              |
| Integrated Analogue Outputs   | 1                              |
| IO Type of Terminal Block     | SPRING CLAMP                   |
| Expandable                    | YES                            |
| RS-485                        | 1                              |
| USB                           | 1                              |
| Ethernet Port                 | 1                              |
| Built-In Network              | CC-LINK IE FIELD NETWORK BASIC |
| Built-In Network (2)          | MODBUS/TCP                     |
| Leakage Current (mA)          | 1                              |
| Power Loss ND (W)             | 160                            |
| Standby Power Consumption (W) | 9,8                            |
| Protection Class              | IP20                           |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 140   |
| Height (mm) | 150   |
| Depth (mm)  | 141,5 |
| Weight (kg) | 1,9   |

#### Logistic Dimensions & Gross Weight

|             |      |
|-------------|------|
| Length (cm) | 28,0 |
|-------------|------|

|                   |        |
|-------------------|--------|
| Width (cm)        | 23,5   |
| Height (cm)       | 20,5   |
| Gross Weight (kg) | 2,698  |
| Volume (cdm)      | 13,489 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 300 |
|------------------------------|-----|

#### Life Cycle

|                          |                                             |
|--------------------------|---------------------------------------------|
| Sales Start              | 01.01.2018                                  |
| Discontinued (EOL)       | 09.12.2022                                  |
| Last Time Buy (LTB)      | 01.03.2023                                  |
| Last Time Purchase (LTP) | 01.04.2023                                  |
| End of Service (EOS)     | 01.03.2030                                  |
| Predecessor              | No Predecessor                              |
| Successor                | <a href="#">500098 / FR-E840-0095EPB-60</a> |

#### Additional Product Information

|                  |    |
|------------------|----|
| Battery included | NO |
|------------------|----|

#### 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="#">12060-00-3</a> |
| REACH Substance CAS Number (2) | <a href="#">127-19-5</a>   |
| REACH Substance CAS Number (3) | <a href="#">1317-36-8</a>  |
| REACH Substance CAS Number (4) | <a href="#">13560-89-9</a> |
| REACH Substance CAS Number (5) | <a href="#">15571-58-1</a> |
| REACH Substance CAS Number (6) | <a href="#">541-02-6</a>   |
| REACH Substance CAS Number (7) | <a href="#">556-67-2</a>   |
| REACH Substance CAS Number (8) | <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 |
| 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=FR-E740-095SC-ENE&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-E740-095SC-ENE&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=FR-E740-095SC-ENE&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FR-E740-095SC-ENE&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=FR-E740-095SC-ENE&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FR-E740-095SC-ENE&amp;doc-lang=en</a> |
| Network configuration file URL | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blte8cf990c7c524b4e&amp;q=FR-E740-095SC-ENE&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blte8cf990c7c524b4e&amp;q=FR-E740-095SC-ENE&amp;doc-lang=en</a> |

#### Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 630 |
| 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   |