



## MATERIAL FACT SHEET

### 243782 FR-D720-15K

#### 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/000000000000243782>

#### FA-Inverter: Inverter

Series	FR-D700 SERIES
Type	FR-D700 COMPACT INVERTER
Minimum Rated Voltage (V)	200
Min. Permissible Voltage (V)	170
Maximum Rated Voltage (V)	240
Max. Permissible Voltage (V)	264
Current Type	AC
Phases	3
Rated Output Current ND (A)	58
Rated Motor Capacity ND (kW)	15
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)	-
Standby Power Consumption (W)	13-22,5
Protection Class	IP20

#### Product Dimensions & Weight

Width (mm)	220
Height (mm)	260
Depth (mm)	190
Weight (kg)	6,5

#### Logistic Dimensions & Gross Weight

Length (cm)	27,0
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Width (cm)	36,0
Height (cm)	29,5
Gross Weight (kg)	7,762
Volume (cdm)	28,674

### Stock Data

Planned Delivery Time (Days)	175
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### Life Cycle

Sales Start	17.08.2011
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	<a href="#">757566 / FR-D820-15K-580-60</a>

### Additional Product Information

Difference to Standard 1	JAPANESE VERSION
Binding Tariff Information	DEBTI-14477/24-1
BTI validity date	07.07.2027
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	<a href="#">12060-00-3</a>
REACH Substance CAS Number (2)	<a href="#">127-19-5</a>
REACH Substance CAS Number (3)	<a href="#">13560-89-9</a>
REACH Substance CAS Number (4)	<a href="#">15571-58-1</a>
REACH Substance CAS Number (5)	<a href="#">25155-23-1</a>
REACH Substance CAS Number (6)	<a href="#">540-97-6</a>
REACH Substance CAS Number (7)	<a href="#">541-02-6</a>
REACH Substance CAS Number (8)	<a href="#">556-67-2</a>
REACH Substance CAS Number (9)	<a href="#">7439-92-1</a>
REACH Substance CAS Number (10)	<a href="#">80-05-7</a>
REACH Substance CAS Number (11)	<a href="#">872-50-4</a>
REACH Substance CAS Number (12)	<a href="#">96-45-7</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-D720-15K&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-D720-15K&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-D720-15K&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FR-D720-15K&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-D720-15K&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FR-D720-15K&amp;doc-lang=en</a>

### Product Packaging

Cardboard (g)	1160
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
<a href="#">164631</a>	FR-F740-00170-00380 FAN	2	PC
<a href="#">164655</a>	FR-F740-00170-00380 FAN COVER	1	PC

### Compatible products

Material	Description / Price List Text / Classification
<a href="#">70727</a>	FR-A5 CBL 1 Cable for connecting Inverter and Programming panel; 1m Class 100100405: FA-Inverter: Cable
<a href="#">70728</a>	FR-A5 CBL 3 Cable for connecting Inverter and Programming panel; 3m Class 100100405: FA-Inverter: Cable
<a href="#">70729</a>	FR-A5 CBL 5 Cable for connecting Inverter and Programming panel; 5m Class 100100405: FA-Inverter: Cable
<a href="#">88426</a>	SC-FR-PC CONNECTION CABLE PC>INVERTER Programming Cable RS 232>RS485/422; 5m Class 100100405: FA-Inverter: Cable
<a href="#">130832</a>	FR-UDA02 DIN-Rail Adaptor for FR-D720S-1,5k; FR-D740-0,4k-3,7k Class 100100403: FA-Inverter: External Option
<a href="#">157514</a>	FR-DU07 Parameter Unit for inverter type FR-A700-NA Class 100100403: FA-Inverter: External Option
<a href="#">157515</a>	FR-ADP Adaptor Module for Operator Panel FR-DU07 Class 100100403: FA-Inverter: External Option
<a href="#">166134</a>	FR-PU07 Programming panel with LCD-Display for all units of FR-700 series Class 100100403: FA-Inverter: External Option
<a href="#">209052</a>	FR-PU07BB-L Programming Panel with Copy Function; batterypowered; all FR-700 units; w/o bat. Class 100100403: FA-Inverter: External Option
<a href="#">209741</a>	FFR-SI-62A-SS1 Sinusfilter for 200/400V Inverters; max. 62A; FT=4-16kHz; (W*H*D) 240*290*220mm Class 100100404: FA-Inverter: Filter
<a href="#">209758</a>	FFR-DT-93A-SS1 du/dt Filter for 400V Inverters; max. 93A; FT=2-16kHz; (W*H*D) 190*240*100mm Class 100100404: FA-Inverter: Filter
<a href="#">214795</a>	FR-PA07 Simple Parameter Unit for mounting on enclosure surface; for all FR-E700 Class 100100403: FA-Inverter: External Option
<a href="#">254843</a>	NF125-SV 3P 125A Circuit breaker 3pole. In = 125A; Icu = Ics = 25kA at AC 440V Class 100100901: FA-MCCB: Moulded-Case Circuit Breaker
<a href="#">254916</a>	NF125-SGV 3P 90-125A Circuit breaker 3pole. Ir = 90 - 125A; Icu = Ics = 36kA at AC 440V Class 100100901: FA-MCCB: Moulded-Case Circuit Breaker
<a href="#">254996</a>	NF125-RGV 3P 100-125A Circuit breaker 3pole. Ir = 100 - 125A; Icu = Ics = 125kA at AC 440V Class 100100901: FA-MCCB: Moulded-Case Circuit Breaker
<a href="#">275503</a>	FR Configurator-M+FR-Configurator2 FR-Configurator for 700 series; multi I + FR-Configurator2 for 800 series Class 100101203: FA-Software: Software Inverter
<a href="#">283577</a>	FFR-HEL-15K-E1 DC Link choke for 200V Inverter; 15kW; 0,4mH; 64,7A Class 100100406: FA-Inverter: Choke
<a href="#">298664</a>	S-T50 AC200V Magnetic contactor. 22kW; 2NO + 2NC; Us = AC 200V, 50Hz Class 100101001: FA-MC: Magnetic Contactor