



## MATERIAL FACT SHEET

### 247600 FR-D720S-100SC-EC

#### General Data

Product Hierarchy	IAK23701
	INVERTER
	FR-D720
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000247600](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000247600)

#### 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	1
Rated Output Current ND (A)	10
Rated Motor Capacity ND (kW)	2.2
Frequency Range (Hz)	0,2-400
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)	110
Standby Power Consumption (W)	5,5-14
Protection Class	IP20

#### Product Dimensions & Weight

Width (mm)	140
Height (mm)	150
Depth (mm)	145
Weight (kg)	2

#### Logistic Dimensions & Gross Weight

Length (cm)	23,0
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Width (cm)	21,0
Height (cm)	18,0
Gross Weight (kg)	2,340
Volume (cubic dm)	8,694

### Stock Data

Planned Delivery Time (Days)	170
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### Life Cycle

Sales Start	05.03.2012
Predecessor	214194 / FR-D720S-100-EC

### Additional Product Information

Binding Tariff Information	DEBTI-14477/24-1
BTI validity date	07.07.2027
Battery included	NO
Forecast Breakdown	FR-D720

### Export Data

Commodity Code	85044095
Legal Control (Dual Use List)	Not Listed
Country of Origin	China (CN)
Preference Status (Supplier Declaration)	Non EU

### Environmental

REACH Limit Exceeded	NO
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-D720S-100SC-EC&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-D720S-100SC-EC&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-D720S-100SC-EC&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=FR-D720S-100SC-EC&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-D720S-100SC-EC&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=FR-D720S-100SC-EC&amp;doc-lang=en</a>

### Product Packaging

Cardboard (g)	733,35
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	2,2
Wood (g)	0
Glass (g)	0
Others (g)	0

### Spare parts

Material	Description	Quantity	Unit
<a href="#">164630</a>	FR-F740-00083-00126 FAN	1	PC

### Compatible products

Material	Description / Price List Text / Classification
<a href="#">46787</a>	FR-ABR-2.2K External High-Duty Brake Resistor; 2,2kW; 230V; 60 Ohm; 10%ED Class 100100407: FA-Inverter: Brake Option
<a href="#">70727</a>	FR-A5 CBL 1 Cable for connecting Inverter and Programming panel; 1m Class 100100405: FA-Inverter: Cable