



MATERIAL FACT SHEET

247607 FR-D740-160SC-EC

General Data

Product Hierarchy	IAK23801
	INVERTER
	FR-D740
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/000000000000247607

FA-Inverter: Inverter

Series	FR-D700 SERIES
Type	FR-D700 COMPACT 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)	16
Rated Motor Capacity ND (kW)	7.5
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)	280
Standby Power Consumption (W)	13,5-22,5
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	220
Height (mm)	150
Depth (mm)	155
Weight (kg)	3,1

Logistic Dimensions & Gross Weight

Length (cm)	25,5
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Width (cm)	23,0
Height (cm)	23,5
Gross Weight (kg)	3,720
Volume (cdm)	13,783

Stock Data

Planned Delivery Time (Days)	170
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Life Cycle

Sales Start	05.03.2012
Predecessor	212420 / FR-D740-160-EC

Additional Product Information

Binding Tariff Information	DEBTI-14477/24-1
BTI validity date	07.07.2027
Battery included	NO
Forecast Breakdown	FR-D740

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	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-D740-160SC-EC&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-D740-160SC-EC&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-D740-160SC-EC&doc-lang=en

Product Packaging

Cardboard (g)	1569,35
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	5,64
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
164630	FR-F740-00083-00126 FAN	2	PC

Compatible products

Material	Description / Price List Text / Classification
50049	FR-ABR-H7.5K External High-Duty Brake Resistor; 400V; 7,5kW; 75 Ohm; 10%ED Class 100100407: FA-Inverter: Brake Option
70727	FR-A5 CBL 1 Cable for connecting Inverter and Programming panel; 1m Class 100100405: FA-Inverter: Cable