



MATERIAL FACT SHEET

325723 FR-CS84-050-60

General Data

Product Hierarchy	IAK24602
	INVERTER
	FR-CS84
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/00000000000325723

FA-Inverter: Inverter

Series	FR-CS80 SERIES
Type	FR-CS84 COMPACT INVERTER
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	323
Maximum Rated Voltage (V)	480
Max. Permissible Voltage (V)	550
Current Type	AC
Phases	3
Rated Output Current ND (A)	5
Rated Motor Capacity ND (kW)	2.2
Frequency Range (Hz)	0,2–400
Control Method	ADVANCED MAGN. FLUX VEC. CTRL
Motor Type	INDUCTION MOTOR
Integrated EMC Filter	NO
Safe Torque Off (STO)	NO
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	FR-LU08
Display Type	4 DIGITS LED
PLC Function	NO
Integrated Digital Inputs	5
Digital Outputs (Transistor)	1
Digital Outputs (Relay)	0
Integrated Analogue Inputs	2
Integrated Analogue Outputs	0
IO Type of Terminal Block	SPRING CLAMP
Expandable	YES
RS-485	1
USB	NO
Ethernet Port	NO
Built-In Network	MODBUS-RTU
Leakage Current (mA)	1
Power Loss ND (W)	75
Standby Power Consumption (W)	-
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	108
Height (mm)	96
Depth (mm)	130
Weight (kg)	0,9

Logistic Dimensions & Gross Weight

Length (cm)	23,0
Width (cm)	14,0
Height (cm)	16,0
Gross Weight (kg)	1,219

Volume (cdm)	5,152
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Stock Data

Planned Delivery Time (Days)	79
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Life Cycle

Sales Start	01.04.2018
Predecessor	No Predecessor

Additional Product Information

Battery included	NO
Forecast Breakdown	FR-CS84

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=bltdae25c2bd5f2f94&q=FR-CS84-050-60&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-CS84-050-60&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-CS84-050-60&doc-lang=en

Product Packaging

Cardboard (g)	352,3
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

Compatible products

Material	Description / Price List Text / Classification
14253	FR-BLF Large ferrite Class 100100404: FA-Inverter: Filter
50461	FR-BSF01 Small ferrite Class 100100402: FA-Inverter: Internal Option
70727	FR-A5 CBL 1 Cable for connecting Inverter and Programming panel; 1m Class 100100405: FA-Inverter: Cable
70728	FR-A5 CBL 2,5 Cable for connecting Inverter and Programming panel; 2,5m Class 100100405: FA-Inverter: Cable
70729	FR-A5 CBL 5 Cable for connecting Inverter and Programming panel; 5m Class 100100405: FA-Inverter: Cable