



500112

FR-E840-0040-4-60

Inverter; Pn:1,5-2,2kW;3x380-480V;In max:5,5A;(1,5kW;4A);RS-485;IP20

Standard Material  
Logistic Class: A

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TECHNICAL INFORMATION

**INVERTER**

SERIES	FR-E800 SERIES
TYPE	FR-E800 RS485 INVERTER
MINIMUM RATED VOLTAGE (V)	380
MIN. PERMISSIBLE VOLTAGE (V)	323
MAXIMUM RATED VOLTAGE (V)	480
MAX. PERMISSIBLE VOLTAGE (V)	528
CURRENT TYPE	AC
PHASES	3
RATED OUTPUT CURRENT LD (A)	5,5
RATED OUTPUT CURRENT ND (A)	4
RATED MOTOR CAPACITY LD (KW)	2,2
RATED MOTOR CAPACITY ND (KW)	1,5
CONTROL METHOD	V/F CONTROL REAL SENSORLESS VECTOR CONTROL PM SENSORLESS VECTOR CONTROL MAGNETIC FLUX VECTOR CONTROL
MOTOR TYPE	INDUCTION MOTOR, PM MOTOR
BRAKE CHOPPER ED (%)	100
INTEGRATED EMC FILTER	NO
SAFE TORQUE OFF (STO)	YES
REGENERATIVE (4Q)	NO
INTEGRATED DC CHOKE	NO
DISPLAY	BUILT-IN

DISPLAY TYPE	4-DIGIT LED
PLC FUNCTION	YES
PROGRAM MEMORY	2K
PROGRAM MEMORY UNIT	STEPS
INTEGRATED DIGITAL INPUTS	7
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 (MINI B)
ETHERNET PORT	NO
BUILT-IN NETWORK	MODBUS RTU
LEAKAGE CURRENT (MA)	1,2
POWER LOSS LD (W)	84
POWER LOSS ND (W)	58
STANDBY POWER CONSUMPTION (W)	-
PROTECTION CLASS	IP20
FREQUENCY RANGE (HZ)	0,2–590

#### PRODUCT DIMENSIONS & WEIGHT

WIDTH (MM)	108
HEIGHT (MM)	128

DEPTH (MM)	135
WEIGHT (KG)	1,4

**Something wrong?**

#### ADDITIONAL INFORMATION

#### ORDER CODES

EUROPEAN ORDER CODE	500112
GLOBAL ORDER CODE	E8400040460

#### CLASSIFICATION DATA

PRODUCT HIERARCHY	IAK24802
CLASS DESCRIPTION	FA-Inverter: Inverter
EXTERNAL MATERIAL GROUP	Standard Material

#### AVAILABILITY

LOGISTIC CLASS	A
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#### PACKAGING DIMENSIONS & WEIGHT

GROSS WEIGHT	1.619 KG
VOLUME	5.125 CDM
LENGTH	20,5 CM
WIDTH	12,5 CM
HEIGHT	20 CM

#### COMMODITY / IMPORT CODE

COMMODITY CODE	85044090
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COUNTRY OF ORIGIN

CN

**LIFE CYCLE**

PREDECESSOR

240982 FR-E740-040SC-E6

**CAMPAIGNS**

SELLING STATUS

Standard

**ENVIRONMENTAL**

ROHS COMPLIANCE

COMPLIANT

DANGEROUS GOODS REGULATIONS

NO

**CONFORMITY**

CE

COMPLIANT

UL/CUL

COMPLIANT

EAC

COMPLIANT

**Something wrong?**

COMPATIBLE PRODUCTS

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**Refine**

32 Products found

**70727 - FR-A5 CBL 1**

Cable for connecting Inverter and Programming panel; 1m

Standard Material  
Logistic Class: A



### 70728 - FR-A5 CBL 2,5

Cable for connecting Inverter and Programming panel; 2,5m

Standard Material  
Logistic Class: A



### 70729 - FR-A5 CBL 5

Cable for connecting Inverter and Programming panel; 5m

Standard Material  
Logistic Class: A



### 87244 - FR-BAL-B-4,0K

Input Reactor 3ph; 400V; for 4,0kW

Standard Material  
Logistic Class: B



### 130832 - FR-UDA02

DIN-Rail Adaptor for FR-D720S-1,5k; FR-D740-0,4k-3,7k

Standard Material  
Logistic Class: B



### 166134 - FR-PU07

Programming panel with LCD-Display for all units of FR-700 series

Standard Material  
Logistic Class: A



### 167612 - FR-RJ45-HUB10

Distribution Module for RJ45; 10 way

Standard Material  
Logistic Class: B



### 167613 - FR-RJ45-HUB4

Distribution Module for RJ45; 4 way

Standard Material  
Logistic Class: B





### 167614 - FR-RJ45-TR

Terminal Resistor Plug RJ45

**Standard Material**  
**Logistic Class: B**



### 202426 - FR-BU2-H7.5K

Brake Unit without Brake Resistor for all Inverters with DC-Bus Terminals; 400V

**Standard Material**  
**Logistic Class: B**



### 209052 - FR-PU07BB-L

Programming Panel with Copy Function; battery powered; all FR-700 units; w/o bat.

**Standard Material**  
**Logistic Class: B**



### 209735 - FFR-SI-4.5A-SS1

Sinusfilter for 200/230/400V Inverters; max. 4,5A; FT=4-16kHz; (W\*H\*D) 125\*180\*75mm

**Standard Material**  
**Logistic Class: B**



### 209755 - FFR-DT-10A-SS1

du/dt Filter for 400V Inverters; max. 10A; FT=2-16kHz; (W\*H\*D) 100\*120\*65mm

**Standard Material**  
**Logistic Class: B**



### 214795 - FR-PA07

Simple Parameter Unit for mounting on enclosure surface; for all FR-E700

**Standard Material**  
**Logistic Class: B**



### 238344 - FFR-HEL-H1.5K-E

DC Link choke for 400V Inverter; 1,5kW; 20,5mH; 3,1A

**Standard Material**  
**Logistic Class: B**



### 254684 - NF32-SV 3P 10A

Circuit breaker 3pole. In = 10A; Icu = Ics = 2,5kA at AC 440V

**Standard Material**  
**Logistic Class: A**

**254743 - NF63-SV 3P 10A**

Circuit breaker 3pole. In = 10A; Icu = Ics = 7,5kA at AC 440V

Standard Material  
Logistic Class: A



**274525 - LU08**

Clear text LCD Parameter unit for all units of 800 Series

Standard Material  
Logistic Class: A



**275503 - FR Configurator-M+FR-Configurator2**

FR-Configurator for 700 series; multi I + FR-Configurator2 for 800 series

Standard Material  
Logistic Class: B



**279195 - S-T10 AC400V 1A**

Magnetic contactor. 4kW; 1NO; Us = AC 400V, 50Hz

Standard Material  
Logistic Class: A



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SERVICE PARTS

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10 Products found



**600706 - FR-E840-0.4K-7.5K 1-60/0-60 PCB CPU**

Printed Circuit Board for inverter type FR-E820

Spare Part  
Logistic Class: C

1 ST



**600476 - FR-E840-0040-4-1.5K PCB MA**

Printed Circuit Board for inverter type FR-E840

Spare Part  
Logistic Class: C

1 ST



**611071 - FR-E840-0040EPA(B)-60 PCB GA**

Printed circuit board for inverter type FR-E840

Spare Part  
Logistic Class: C

1 ST



**611134 - FR-E840-4(5)-60 PCB TA**

Printed circuit board for inverter type FR-E840

Spare Part  
Logistic Class: B

1 ST



**611136 - FR-E840-0040-0095 FAN**

Cooling fan for inverter FR-E840-0040-0095

Spare Part  
Logistic Class: A

1 ST

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