

INDUSTRIAL COMPONENT DATA

SX-D6800-E1FA4 AA055881C SXD6800E1FA4 OMRON SX inverter IP54, 800 kW, 3~ 690 VAC, direct torque control, bui..

Brand: OMRON | Manufacturer Part Number: SX-D6800-E1FA4



Manufacturer	OMRON
MPN / Reference	SX-D6800-E1FA4
Catalog number	SXD6800E1FA4
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-6D639FC2FE
Generated	2026-08-05

Product Overview

SX inverter IP54, 800 kW, 3~ 690 VAC, direct torque control, built-in filter

SX inverter IP54, 800 kW, 3~ 690 VAC, direct torque control, built-in filter, max. output freq. 400 Hz

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Frequency inverters > SX

Additional Product Information

Drive control methodVector controlDrive supply voltage690 V three phaseMax. motor output at variable torque800 kWMax. motor output at constant torque650 kWBuilt in EMC filterDegree of protection (IP)IP54Compatible motor typeInduction or asynchronous motor, Permanent magnet motorRegenerative solutionsAs inverter optionCommunication option(s)Bluetooth, DeviceNet Slave, EtherCAT Slave, EtherNet/IP, MODBUS Slave, MODBUS/TCP, PROFIBUS DP Slave, PROFINET Slave, Serial RS-232C, Serial RS-485Product Height (unpacked)2250 mmProduct Width (unpacked)1200 mmProduct Depth (unpacked)600 mmProduct Weight (unpacked)773000 g
 ETIM for 693615 Low-voltage industrial controls and switchgear (EC001857)
 Feature Name
 Feature Value
 Mains frequency (EF006783)
 50/60 Hz
 Degree of protection (NEMA) (EF011959)
 Other
 Degree of protection (IP) (EF005474)

IP54

Number of phases input (EF007117)

3

Number of phases output (EF006998)

3

Supporting protocol for PROFI-safe (EF007526)

No

Supporting protocol for PROFIBUS (EF003052)

Yes

Supporting protocol for DeviceNet Safety (EF007520)

No

Supporting protocol for TCP/IP (EF003050)

Yes

Supporting protocol for other bus systems (EF003062)

Yes

Supporting protocol for Foundation Fieldbus (EF007522)

No

Supporting protocol for SafetyBUS p (EF007527)

No

Supporting protocol for SERCOS (EF006657)

No

Supporting protocol for Modbus (EF003057)

Yes

Supporting protocol for KNX (EF003055)

No

Application in industrial area permitted (EF007294)

Yes

Supporting protocol for PROFINET CB...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / SX-D6800-E1FA4 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.