

6ES7214-1AF40-0XB0

Industrial automation components

Manufacturer	Siemens
Catalog number	6es7214-1af40-0xb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.45 kgs
UPC	804766054624.0
Product ID	6ES7214-1AF40-0XB0
AL Field	N
Customs Tariff Code	85371091
Compliance	Produkt zgodny z RoHS od: 27.02.2015
Configurable Product	False
Country of Origin	CN
EAN	4025515082910.0
ECCN	EAR99H
eClass 6	27-24-22-07
eClass 7.1	27-24-22-07
eClass 8	27-24-22-07
eClass Version 9	27-24-22-07
eClass Version 9.1	27-24-22-07
ETIM 7	EC000236
Group Classification Key	R152
List of Characteristics	ST72
Quantity in Package	1
Packaging Length	11,60
Packaging Width	11,20
Packaging Height	8,50
Packaging Size	CM
Product Description	SIMATIC S7-1200F, CPU 1214 FC, compact CPU, DC/DC/DC, onboard I/O: 14 DI 24 V DC; 10 DO 24 V DC; 2 AI 0-10 V DC, power supply: DC 20.4-28.8 V DC, program/data memory 200 KB
Product Code	4545
Comparative Metals Coefficient	27.02.2015
REACH	Lead CAS-Nr. 7439-92-1; Lead monoxide (lead oxide) \b1REACHCasNo7368; \b1REACHCode0236 \b1REACHCasNo0236; 4,4'-isopropylidenediphenol (Bisphenol A, BPA) CAS-Nr. 80-05-7
Unit of Measure	ST

Description

The Siemens 6ES7214-1AF40-0XB0 is a compact CPU module from the SIMATIC S7-1200F series, designed for industrial automation applications requiring fail-safe operations. Operating with a 24 V DC power supply, it features 14 digital inputs, 10 digital outputs, and 2 analog inputs (0-10 V DC), facilitating versatile control and monitoring capabilities. The module offers a program and data memory of 200 KB, ensuring efficient processing and storage for complex automation tasks. Its onboard I/O configuration includes 14 digital inputs and 10 digital outputs, all operating at 24 V DC, along with 2 analog inputs with a range of 0-10 V DC, providing comprehensive interfacing options for various industrial sensors and actuators. The device operates within a permissible voltage range of 20.4 to 28.8 V DC, with reverse polarity protection to safeguard against incorrect wiring. The current consumption varies depending on the configuration, with a rated value of 500 mA for the CPU alone and up to 1,500 mA when all expansion modules are connected. The inrush current at 28.8 V is 12 A, ensuring reliable startup performance. The module is housed in a compact enclosure measuring 110 mm in width, 100 mm in height, and 75 mm in depth, with a net weight of 0.364 kg, facilitating easy integration into space-constrained environments. It is compliant with RoHS directives, indicating adherence to environmental standards by restricting hazardous substances. The product is manufactured in China and is part of Siemens' active product lineup, with a phase-out scheduled for November 1, 2026.