AUTOMATION TRADER

7SJ6321-5EA93-3HA0EE

Industrial automation components

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Manufacturer	Siemens
Catalog number	7sj6321-5ea93-3ha0ee
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Multifunction Protective Relay
Product Family	SIPROTEC 7SJ63
Binary Inputs	24 inputs
Binary Outputs	11 outputs
Power Relays	2 relays
Voltage Inputs	3 inputs
Current Inputs	4 inputs
Supply Voltage DC	110-250 V DC
Supply Voltage AC	115-230 V AC
Protocols	IEC 61850, IEC 60870-5-103, Modbus RTU, DNP3

Description

The Siemens 7SJ6321-5EA93-3HA0/EE is a multifunction protective relay from the SIPROTEC 7SJ63 series, designed for industrial automation and power system protection. It features a backlit graphic display, 14 programmable LEDs, and key switches, all housed in a 1/2 19" case.

The relay offers 24 binary inputs, 11 binary outputs, and 2 power relays with 4 contacts, along with a watchdog contact. Measuring inputs include 3 voltage (IPH = 1A) and 4 current (IE = 1A, minimum 0.05A) inputs.

It supports a supply voltage range of DC 110V to 250V and AC 115V to 230V. The device includes system ports for IEC protocol (RS485) and DIGSI 4/modem, and offers metering capabilities such as peak

values, average meter, min/max values, and fault recording.

Functionalities include time overcurrent protection (50/51), ground overcurrent protection (50N/51N), overload protection with two time constants (49), trip circuit supervision (74TC), breaker failure protection (50BF), cold load pickup, inrush blocking, negative sequence (46), lockout (86), over/under frequency (81U/O), under voltage (27-1, 27-2), and over voltage (59-1) with automatic reclosing.

This relay is suitable for medium-voltage power grids, protecting feeders, lines, and motors in utility and industrial applications.