CA-NPN20E

Industrial automation components

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Manufacturer	Keyence
Catalog number	ca-npn20e
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Keyence
Part Number	CA-NPN20E
Product Type	PROFINET module
Compliant Standards	IEEE802.3u (100BASE-TX)
Transmission Rate	100 Mbps (100BASE-TX)
Transmission Medium	STP cable, category 5e or above
Max. Cable Length	100 m
Communication Ports	RJ45 connector x 2
Supported Functions	Data I/O communication, record data communication
Update Time	Shortest time: 1 ms
Cyclic Communication Size	1248 bytes
Applicable Protocols	LLDP, DCP, MRP, SNMP

Description

The Keyence CA-NPN20E is a high-performance PROFINET module designed to seamlessly integrate with Keyence's XG-X series vision systems. Operating at a transmission rate of 100 Mbps (100BASE-TX), it ensures rapid and reliable data communication.

The module supports IEEE802.3u standards and utilizes STP cables of category 5e or higher, with a maximum cable length of 100 meters between the main unit and the Ethernet switch. Equipped with two RJ45 connectors, it facilitates efficient connectivity.

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The CA-NPN20E offers versatile communication capabilities, including data I/O and record data communication, with an update time as short as 1 millisecond and a cyclic communication size of 1248 bytes.

It is compatible with protocols such as LLDP, DCP, MRP, and SNMP, and conforms to Conformance Class C Ver.2.34. This module is ideal for applications requiring high-speed, reliable network communication within industrial automation systems.