6GT2002-0HD00

Industrial automation components

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Manufacturer	Siemens
Catalog number	6gt2002-0hd00
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.09 kgs
Manufacturer	Siemens
Component Specifications	rf170c
Product Type	Module
Part Number	6GT2002-0HD00
Supply Voltage	24 V DC
Ambient Temperature Range	-25°C to +55°C
Dimensions	90 mm x 130 mm x 35 mm
Net Weight	0.27 kg
Mounting Type	ET 200pro rack
Interface	RS 422
Max Cable Length	1000 meters
Protection Class	IP67
Shock Resistance	300 m/s²
Vibration Resistance	100 m/s²

Description

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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The Siemens 6GT2002-0HD00 is an RFID communication module designed for integration within the ET 200pro automation system. This basic module facilitates the connection of up to two RFID readers, enabling efficient identification processes in industrial automation environments. It operates with a supply voltage of 24 V DC, with a permissible range between 20 V and 30 V, and consumes a typical current of 0.13 A without connected devices, increasing to a maximum of 1 A when devices are connected. The module supports a transmission rate of up to 115.2 kbit/s for point-to-point connections. It is engineered to withstand ambient temperatures ranging from -25°C to +55°C during operation, and from -40°C to +70°C during storage and transport. The module is mounted using two M5 screws and has dimensions of 90 mm in width, 130 mm in height, and 35 mm in depth, with a net weight of 0.27 kg. It is designed to be installed in the ET 200pro rack and supports an RS 422 interface with a maximum cable length of 1000 meters. The module is compliant with protection class IP67 and adheres to IEC 61131-2 standards for shock resistance, capable of withstanding shock accelerations up to 300 m/s² and vibrational accelerations up to 100 m/s². This module is ideal for applications requiring reliable RFID communication within the ET 200pro system.