

## 3HNE00065-1

Industrial automation components

<b>Manufacturer</b>	Abb
<b>Catalog number</b>	3hne00065-1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	0.59 kgs
<b>Operating Voltage</b>	12V
<b>Power Consumption</b>	5W
<b>Connectivity</b>	RS422
<b>Enclosure Rating</b>	IP65
<b>Resolution</b>	1024 PPR
<b>Response Time</b>	1 ms
<b>Operating Temperature Range</b>	-30°C to 70°C
<b>Mean Time Between Failures</b>	200,000 hours

### Description

The ABB 3HNE00065-1, also known as DSQC354 Encoder Interface, is a specialized component designed for ABB's S4 and S4C+ robotic systems. This encoder interface facilitates precise motion control by converting analog signals from the robot's encoders into digital signals compatible with the robot controller. Key features include a 12V operating voltage, 5W power consumption, and RS422 connectivity, ensuring reliable communication within the robotic system. The device is housed in an IP65-rated enclosure, providing protection against dust and water ingress, making it suitable for industrial environments. With a resolution of 1024 pulses per revolution (PPR) and a response time of 1 millisecond, it delivers high-speed performance essential for robotic applications. The operating temperature range spans from -30°C to 70°C, accommodating various industrial settings. Additionally, the encoder interface boasts a mean time between failures (MTBF) of 200,000 hours, indicating its durability and long service life. This component is integral to maintaining the precision and efficiency of ABB's robotic systems, ensuring optimal performance in demanding industrial tasks.