

3HAC10828-13

Industrial automation components

Manufacturer	Inny
Catalog number	3hac10828-13
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.14 kgs kg
Gear Ratio	70:1
Input Power	1.5 to 4.0 kW
Output Torque	up to 125.8 Nm
Speed Range	0.5 to 100 RPM
Operating Temperature	-10°C to +40°C
Protection Class	IP55

Description

The ABB 3HAC10828-13 is a six-axis reducer designed for robotic applications, specifically compatible with ABB's IRB66 series robots. This gearbox, also known as RV 70F-125.8, is engineered to provide precise motion control and high torque output, essential for complex robotic tasks. It features a gear ratio of 70:1, ensuring optimal speed reduction and torque multiplication. The input power ranges from 1.5 kW to 4.0 kW, accommodating various robotic systems. With an output torque capacity of up to 125.8 Nm, it delivers the necessary force for demanding operations. The gearbox operates efficiently within a speed range of 0.5 to 100 RPM, offering versatility across different applications. Designed for durability, it has an operating temperature range of -10°C to +40°C and boasts a protection class of IP55, making it resistant to dust and water ingress. The unit weighs approximately 12 kg, facilitating easy integration into robotic assemblies. This component is ideal for enhancing the performance and reliability of ABB robotic systems, ensuring smooth and accurate movements in industrial automation processes.