

Handerkennungsmodul ActiveAssist - Bosch Rexroth 3842558436

Item no. BRR-3842558436 **Manufacturer** Bosch Rexroth

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The ActiveAssist hand-tracking module uses a 3D depth sensor to verify the operator's hand position and correct part pick-up during assembly. A matching position triggers automatic advancement to the next process step. Freely scalable virtual buttons on the work surface allow gesture-based confirmation without touching any control panel.

TECHNICAL DATA

Article authenticity	Original product
Condition of article	New
Country of Manufacture	Germany
ESD-Ausführung	TEC
Weight	0.0099 kg



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The ActiveAssist hand-tracking module integrates a 3D depth sensor to monitor the operator's hand position at the assembly station and verify that the correct pick from the parts supply has been made. When the detected position matches the work instruction, the system automatically advances to the next step. Freely scalable and repositionable virtual buttons projected onto the work surface allow process steps to be confirmed by gesture, with the next instruction displayed visually in the work plan.

- Automatic process control through hand-position recognition - reduces assembly errors without additional workpiece sensors
- Gesture-based operation via virtual buttons - touchless confirmation directly at the work surface
- Detection range scalable from 700 mm to 1500 mm height (depth: T = 0.9 x H, width: B = 1.1 x H)

- Camera module lateral offset: 70 mm; rotational adjustment range: 90°
- Supplied with mounting kit and all required cables
- CE certified; compatible with height-adjustable workstations

Technical data

Parameter	Value
Article number	3842558436
Weight (module)	1.8 kg
Total weight incl. projection module	10.6 kg
Camera module lateral offset	70 mm
Rotational adjustment range	90°
Certification	CE
Detection range H 700 mm	D 663 mm / W 808 mm
Detection range H 900 mm	D 839 mm / W 1039 mm
Detection range H 1100 mm	D 1026 mm / W 1270 mm
Detection range H 1300 mm	D 1212 mm / W 1501 mm
Detection range H 1500 mm	D 1399 mm / W 1732 mm

Note: When used with a height-adjustable workstation, the table surface, parts storage and projection module must always be adjusted simultaneously and in a fixed relative height relationship. If the projection module height is changed independently after initial setup, the projection geometry will no longer be correct and the system must be reconfigured.

Required accessories: ActiveAssist base set, ActiveAssist projection module. Recommended accessory: 45° projection shield.