

# Induktiver Näherungsschalter M12 x 60, Sn=10 mm, PNP, IP68 - Bosch Rexroth 3842555421

**Item no.** BRR-3842555421 **Manufacturer** Bosch Rexroth

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Inductive proximity sensor with M12 x 60 threaded body for workpiece pallet detection and position monitoring in assembly and conveyor systems. PNP normally-open output, 10 mm switching distance, IP68 protection, and a 10-30 V DC supply make it a direct fit for standard 24 V PLC inputs.

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Condition of article	<b>New</b>
Country of Manufacture	<b>Hungary</b>
Weight	<b>0.1 kg</b>
Zolltarifnummer	<b>85365019</b>



## DESCRIPTION

The Bosch Rexroth 3842555421 inductive proximity sensor detects workpiece pallet positions and monitors the state of lift transverse and positioning units on assembly lines. The M12 x 60 stainless-coated brass housing mounts directly into Bosch Rexroth Linear Assembly profiles. Non-flush installation delivers the rated 10 mm switching distance, while the PNP normally-open output connects without adapters to standard PLC digital inputs.

- 10 mm switching distance (non-flush) - reliable pallet detection with positional tolerance
- IP68 protection - sealed against continuous immersion and wash-down
- 600 Hz switching frequency - keeps pace with fast-cycling assembly stations
- 10-30 V DC operating range - compatible with standard 24 V control circuits
- LED status indicator - instant on-machine diagnostics without test equipment
- CE, cULus, EAC certified - approved for use in Europe, North America, and the Eurasian market

## Technical data

Parameter	Value
Thread size	M12 x 60

<b>Parameter</b>	<b>Value</b>
Nominal switching distance Sn	10 mm
Operating voltage	10 ... 30 V DC
Operating current	max. 200 mA
Switching frequency	600 Hz
Switching output	PNP
Switching function	Normally open (NO)
Connector	M12 x 1 push-in fitting
Mechanical installation	Not flush
Ambient temperature	-25 ... 85 °C
Protection class	IP68
Housing material	CuZn coated, LCP
Function display	LED
Weight	0.02 kg (sensor); 0.10 kg (shipping weight)
Conformity	CE, cULus, EAC
Standard	IEC 60947-5-2