

Inductive Proximity Sensor M12 x 60, Sn=10 mm, PNP, IP68 - Bosch Rexroth 3842555421

Item no. BRR-3842555421

Manufacturer Bosch Rexroth

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

Country of Manufacture	Hungary
HS-Code	85365019
Weight	0.1 kg



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
Nominal switching distance Sn	10 mm
Operating voltage	10 ... 30 V DC
Operating current	max. 200 mA

Parameter	Value
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