

# Induktiver Näherungsschalter M12x44, Sn=8mm, PNP/NO, nicht bündig, M8- Stecker - Bosch Rexroth 3842549813

**Item no.** BRR-3842549813 **Manufacturer** Bosch Rexroth

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Inductive proximity sensor in M12x44 format for detecting workpiece carrier positions and monitoring the status of lift, transfer, and rotary units in Rexroth assembly systems. Non-flush mounting gives a nominal switching distance of 8mm; the PNP normally-open output connects directly to standard 24V DC controls. Rated IP67, approved to cULus, CE, and EAC per IEC 60947-5-2.

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Condition of article	<b>New</b>
Country of Manufacture	<b>Hungary</b>
ESD-Ausführung	<b>TEC</b>
Weight	<b>0.0099 kg</b>
Zolltarifnummer	<b>85365019</b>



## STANDARDS & COMPLIANCE

ESD safe | IEC 60947-5-2

## DESCRIPTION

The 3842549813 is an inductive proximity sensor designed for position detection of workpiece carriers and status monitoring of lift/transfer units, lift positioning units, and lift/rotary units within Bosch Rexroth assembly lines. Its non-flush M12x44 CuZn housing with PBT active face delivers a generous 8mm nominal switching distance, giving reliable detection even where precise alignment is difficult.

- 8mm nominal switching distance (non-flush) - tolerates larger mounting offsets than flush-mount alternatives
- PNP normally-open output, up to 200mA - direct connection to standard PLCs without additional amplifier stages
- 10-30V DC supply - compatible with 24V industrial control systems

- 800Hz switching frequency - sufficient for typical workpiece carrier transfer speeds
- IP67 protection - resistant to water spray and particulate contamination in production environments
- LED status indicator - simplifies commissioning and on-site fault diagnosis
- Compact 44mm body length with M8x1 connector - fits tight sensor mounting positions

## Technical data

Parameter	Value
Article number	3842549813
Thread size	M12 x 44 mm
Body length	44 mm
Connector	M8x1
Mechanical installation	Not flush
Nominal switching distance (Sn)	8 mm
Switching frequency	800 Hz
Operating voltage	10-30 V DC
Operating current	200 mA
Switching output	PNP
Switching function	Normally open (NO)
Function display	LED
Protection class	IP67
Housing material	CuZn, nickel-free coating
Active surface	PBT
Ambient temperature	-25 to +70 °C
Approvals	cULus, CE, EAC
Standard conformity	IEC 60947-5-2
Weight	0.0099 kg