

## Induktiver Näherungsschalter M12x45, Sn=4mm, bündig, PNP/NO, IP67 - Bosch Rexroth 3842549814

Item no. BRR-3842549814

Manufacturer Bosch Rexroth

Inductive proximity sensor in M12x45 format for workpiece carrier detection and position sensing in Bosch Rexroth transfer systems. Flush-mount design, 4mm nominal switching distance, PNP normally-open output with LED indicator.

### TECHNICAL DATA

Ausführungsklasse **TEC**

Country of Manufacture **Hungary**

Weight **0.0099 kg**

Zolltarifnummer **85365019**


### DESCRIPTION

The 3842549814 inductive proximity sensor detects workpiece carrier positions and monitors the status of lifting, transverse, and rotary units in Bosch Rexroth assembly systems. Its M12x45 nickel-free CuZn housing and flush-mount design allow direct integration into tight machine structures without a protruding sensor tip.

- Flush mechanical installation - mounts directly into sensor brackets or machine structures for space-saving integration
- PNP normally-open output with LED indicator - straightforward commissioning and on-site status diagnosis
- IP67 protection - dust-tight and protected against temporary immersion, suitable for standard assembly line environments
- Wide supply range 10-30V DC - compatible with common PLC power supplies without additional voltage conditioning
- Approvals cULus, CE, EAC - ready for deployment in Europe, North America, and the EAEU

### TECHNICAL DATA

| Parameter      | Value       |
|----------------|-------------|
| Article number | 3842549814  |
| Thread size    | M12 x 45 mm |

| Parameter                       | Value                     |
|---------------------------------|---------------------------|
| Length                          | 45 mm                     |
| Push-in fitting                 | M12x1                     |
| Nominal switching distance (Sn) | 4 mm                      |
| Mechanical installation         | Flush                     |
| Switching output                | PNP                       |
| Switching function              | Normally open (NO)        |
| Operating voltage               | 10 ... 30 V DC            |
| Operating current (max.)        | 200 mA                    |
| Switching frequency             | 300 Hz                    |
| Function display                | LED                       |
| Protection class                | IP67                      |
| Housing material                | CuZn, nickel-free coating |
| Active surface                  | LCP                       |
| Ambient temperature             | -25 ... +70 °C            |
| Weight                          | 0.009 kg                  |
| Standard conformity             | IEC 60947-5-2             |
| Approvals                       | cULus, CE, EAC            |