

## INDUSTRIAL COMPONENT DATA

# EE-SPY412 EESP4029G EESPY412CHN OMRON Slr convergent 5mm Light NPN Vertical

Brand: OMRON | Manufacturer Part Number: EE-SPY412



|                 |                                         |
|-----------------|-----------------------------------------|
| Manufacturer    | OMRON                                   |
| MPN / Reference | EE-SPY412                               |
| Catalog number  | EESPY412CHN                             |
| Category        | Diffuse reflective photoelectric sensor |
| Minimum order   | 20 Pcs                                  |
| Document ID     | EO-0F38CFA5C9                           |
| Generated       | 2026-07-31                              |

## Product Overview

Slr convergent 5mm Light NPN Vertical

Photomicro sensor, convergent reflective type, vertical (axial), Sn=2-5 mm, L-ON, NPN, connector

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path OMRON &gt; Photoelectric sensors &gt; Photomicro

## Additional Product Information

ShapeCuboidSensing methodLimited reflectiveSensing distance5 mmSensing distance (min.)2 mmSetting methodFixedConnection methodTerminal blockOutput typeNPNOperation modeLight-ONResponse time5 msMaterial housingPolycarbonateType of lightInfrared lightSupply voltage DC5-24 V  
ETIM for 148065 Sensors (EC001821)  
Feature Name  
Feature Value  
Degree of protection (NEMA) (EF011959)  
Other  
Degree of protection (IP) (EF005474)  
IP50  
Material of optical surface (EF004134)  
Plastic  
Type of interface for safety communication (EF003956)  
Other

Housing material (EF001596)  
Plastic  
Operation agent-safety class (EF003982)  
Safety class 0  
Explosion safety category for gas (EF003997)  
None  
Explosion safety category for dust (EF003998)  
None  
Voltage type (EF000187)  
DC  
Construction type housing (EF004008)  
Special construction  
Laser protection class (EF004027)  
None  
Setting procedure (EF003994)  
Other  
Sensing mode (EF007503)  
Light switching  
Type of switch function (EF003963)  
Normally open contact (NO)  
Type of electric connection (EF003961)  
Flat plug-in connection  
Type of light (EF004029)  
Infrared light  
Material of cable sheath (EF004136)  
Other  
Type of switching output (EF003962)  
NPN  
With communication interface RS-485 (EF007314)  
No  
With communication interface SSD (EF007315)  
No  
With communication interface SSI (EF007316)  
No  
Analogue output 0 mA ... 20 mA (EF006808)  
No  
With communication interface RS-232 (EF007312)  
No  
With monitoring function downstream switching devices (EF004052)  
No  
With communication interf...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / EE-SPY412 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.