

## INDUSTRIAL COMPONENT DATA

# E3S-AR81 E3S 3083H E3SAR81 OMRON Plastic cc 3h Mirror (included) 2m Vert. PNP

Brand: OMRON | Manufacturer Part Number: E3S-AR81



|                 |                                      |
|-----------------|--------------------------------------|
| Manufacturer    | OMRON                                |
| MPN / Reference | E3S-AR81                             |
| Catalog number  | E3SAR81                              |
| Category        | Retroreflective photoelectric sensor |
| Minimum order   | 1 Pcs                                |
| Document ID     | EO-300B421D54                        |
| Generated       | 2026-07-27                           |

## Product Overview

Plastic cc 3h Mirror (included) 2m Vert. PNP

Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, vertical, 2 m cable

## 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; E3S

## Additional Product Information

Built-in Amplifier Photoelectric Sensor

E3S-A

Ordering Information

E3S-A General-purpose Sensors

Connections AppearanceSensing method

Sensing distance

Operating modes

Output / timer functions

Model

NPN outputPNP output

PrewiredHorizontalThrough-beam 7 m Light-ON

--- E3S-AT11E3S-AT31

Dark-ON (selectable)

With timer and self-diagnostic functions

E3S-AT21E3S-AT41

Retroreflective 0.1 to 2 m

--- E3S-AR11 E3S-AR31

(polarized)

With timer and self-diagnostic functions

E3S-AR21 E3S-AR41

Diffuse reflec-

10 cm (light

--- E3S-AD13 E3S-AD33

tive

source: infra- red)

With timer and self-diagnostic functions

E3S-AD23 E3S-AD43

20 cm--- E3S-AD11 E3S-AD31

With timer and self-diagnostic functions

E3S-AD21 E3S-AD41

70 cm (light

--- E3S-AD12 E3S-AD32

source: infra- red)

With timer and self-diagnostic functions

E3S-AD22 E3S-AD42

E3S-A

A-231

ETIM for 130455 Sensors (EC002717)

Feature Name

Feature Value

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Construction type housing (EF004008)

Cuboid

Laser protection class (EF004027)

None

Degree of protection (NEMA) (EF011959)

Other

Degree of protection (IP) (EF005474)

IP67

Setting procedure (EF003994)

Manual adjustment

Material of optical surface (EF004134)

Plastic

Sensing mode (EF007503)

Light-/dark switching

Type of interface for safety communication (EF003956)

Other

Type of switch function (EF003963)

Other

Type of electric connection (EF003961)

Cable

Housing material (EF001596)

Plastic

Type of light (EF004029)

Polarized re...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3S-AR81 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.