

Built-in Amplifier Photoelectric Sensor


E3S-A

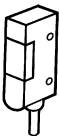

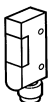
E3S-A



Ordering Information

E3S-A General-purpose Sensors

| Connections | Appearance | Sensing method | Sensing distance | Operating modes | Output / timer functions | Model | |
|-------------|---|--------------------|---------------------------------|-------------------------------------|--|------------|------------|
| | | | | | | NPN output | PNP output |
| Prewired |  | Through-beam | 7 m | Light-ON Dark-ON (selectable) | --- | E3S-AT11 | E3S-AT31 |
| | | | | | With timer and self-diagnostic functions | E3S-AT21 | E3S-AT41 |
| | | Retroreflective | 0.1 to 2 m (polarized) | | --- | E3S-AR11 | E3S-AR31 |
| | | | | | With timer and self-diagnostic functions | E3S-AR21 | E3S-AR41 |
| | | Diffuse reflective | 10 cm (light source: infra-red) | | --- | E3S-AD13 | E3S-AD33 |
| | | | | | 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 source: infra-red) | | --- | E3S-AD12 | E3S-AD32 |
| | | | | | With timer and self-diagnostic functions | E3S-AD22 | E3S-AD42 |

| Connections | Appearance | Sensing method | Sensing distance | Operating modes | Output / timer functions | Model | | |
|-------------|---|--|--|-------------------------------------|--------------------------|--|------------------------|----------|
| | | | | | | NPN output | PNP output | |
| Prewired |  | Through-beam | 7 m | Light-ON Dark-ON (selectable) | --- | E3S-AT61 | E3S-AT81 | |
| | | | Retroreflective | | 0.1 to 2 m (polarized) | With timer and self-diagnostic functions | E3S-AT71 | E3S-AT91 |
| | | | | | Diffuse reflective | 10 cm (light source: infra-red) | --- | E3S-AR61 |
| | | 20 cm | With timer and self-diagnostic functions | | | | E3S-AR71 | E3S-AR91 |
| | | 70 cm (light source: infra-red) | --- | | | E3S-AD63 | E3S-AD83 | |
| | | | With timer and self-diagnostic functions | | E3S-AD73 | E3S-AD93 | | |
| | | --- | E3S-AD61 | | E3S-AD81 | | | |
| | | With timer and self-diagnostic functions | E3S-AD71 | | E3S-AD91 | | | |
| | | --- | E3S-AD62 | | E3S-AD82 | | | |
| | | With timer and self-diagnostic functions | E3S-AD72 | | E3S-AD92 | | | |
| Connector |  | Through-beam | 7 m | --- | --- | E3S-AT16 | E3S-AT36 | |
| | | | Retroreflective | | | 0.1 to 2 m (polarized) | E3S-AR16 | E3S-AR36 |
| | | Diffuse reflective | 10 cm (light source: infra-red) | | | E3S-AD18 | E3S-AD38 | |
| | | | | | | 20 cm | E3S-AD16 | E3S-AD36 |
| | | | 70 cm (light source: infra-red) | | | E3S-AD17 | E3S-AD37 | |
| |  | Through-beam | 7 m | | --- | --- | E3S-AT66 | E3S-AT86 |
| | | | Retroreflective | | | | 0.1 to 2 m (polarized) | E3S-AR66 |
| | | Diffuse reflective | 10 cm (light source: infra-red) | | | | E3S-AD68 | E3S-AD88 |
| | | | | | | | 20 cm | E3S-AD66 |
| | | | 70 cm (light source: infra-red) | | | | E3S-AD67 | E3S-AD87 |

Accessories (Order Separately)

[E3S-A General-purpose Sensor Accessories](#)

| Name | Model | Remarks |
|---|---------|---|
| Slit for Through-beam Sensor | E39-S46 | 2 mm, 1 mm, and 0.5 mm slits are sold in pairs, one each for the receiver and emitter of a through-beam model |
| Mounting Bracket for Vertical Sensor | E39-L59 | Purchase two brackets for each through-beam model |
| | E39-L81 | |
| Filter for Mutual Interference Prevention (for Through-beam Sensor) | E39-E6 | 4 filters are sold together for two through-beam models (2 filters each for the emitters and receivers) |
| Reflector for Optical Axis Adjustment (for Through-beam Sensor) | E39-R5 | One only |