

Eaton 1251E-8503

Catalog Number: 1251E-8503

Eaton Enhanced 50 Series Photoelectric Sensor, Sensor distance: 500 Ft., Iso SS Relay, 300 mA at 240 Vac/Vdc, 4 Pin Mini Connector, 12–240 Vdc 24–240 Vac input, Reverse polarity, short circuit and overload, Yes, Thu-Beam

General specifications



| | |
|--|-----------------------------|
| Product Name | Catalog Number |
| Eaton Enhanced 50 photoelectric sensor | 1251E-8503 |
| UPC | Product Length/Depth |
| 782116113040 | 1.91 in |
| Product Height | Product Width |
| 4.16 in | 1.81 in |
| Product Weight | Warranty |
| 0.3375 lb | 3 year |
| Compliances | Certifications |
| Contact Manufacturer CE Marked | CSA Certified |

defaultTaxonomyAttributeLabel

Contact Rating

300 mA at 240 Vac/Vdc

Enclosure material

Fiberglass reinforced plastic

Operating mode

Thru-beam

Connection

4-pin mini connector

Contact configuration

Isolated solid state relay

Sensor type

Through beam

Switch type

Photoelectric

Input voltage

12-240 Vdc, 24-240 Vac

LED indicator

Output status: green

Marginal gain: red

Power on: yellow

Protection

Reverse polarity and short circuit protected

Time delay

Yes

Maximum AC current

300 mA

Maximum DC current

300 mA

Operating temperature - max

131 °F

Operating temperature - min

-13 °F

Environmental rating

IP67, IP69K

Resources

Catalogs

[Eaton's Volume 8—Sensing Solutions](#)

Specifications and datasheets

[Eaton Specification Sheet - 1251E-8503](#)



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com
© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)