

Eaton 1251E-8547

Catalog Number: 1251E-8547

Eaton Enhanced 50 Series Photoelectric Sensor, Photoelectric, Sensor dist. 500 Ft., 250 mA max DC, NPN/PNP Open Collector, 250 mA at 40 Vdc, 4 Pin M12 Connector, 10-40 Vdc input, Reverse polarity, short circuit and overload, Yes, Thu-Beam

General specifications



Product Name	Catalog Number
Eaton Enhanced 50 photoelectric sensor	1251E-8547
UPC	Product Length/Depth
782116112937	1.91 in
Product Height	Product Width
4.01 in	1.81 in
Product Weight	Warranty
0.3375 lb	3 year
Compliances	Certifications
Contact Manufacturer CE Marked	CSA Certified

defaultTaxonomyAttributeLabel

Contact Rating

250 mA at 40 Vdc

Enclosure material

Fiberglass reinforced plastic

Operating mode

Thru-beam

Connection

4-pin M12 connector

Contact configuration

NPN and PNP open collector

Sensor type

Through beam

Switch type

Photoelectric

Input voltage

10-40 Vdc

LED indicator

Output status: green

Marginal gain: red

Power on: yellow

Protection

Reverse polarity and short circuit protected

Time delay

Yes

Maximum DC current

250 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-8547](#)



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)