Specifications



Photo is representative

Eaton 1251E-8514

Eaton Enhanced 50 Series Photoelectric Sensor, Photoelectric, Right Angle, Sensor distance: 500 Ft., 3A max AC, SPDT Form C Relay, 3A at 240 Vac, 6.6 Ft. (2m) Cable, 12–240 Vdc 24–240 Vac input, Yes, Thu-Beam, 6.6 Ft. (2m)

General specifications

PRODUCT NAME	Eaton Enhanced 50 photoelectric sensor
CATALOG NUMBER	1251E-8514
UPC	782116112883
PRODUCT LENGTH/DEPTH	1.91 in
PRODUCT HEIGHT	3.46 in
PRODUCT WIDTH	1.81 in
PRODUCT WEIGHT	0.5375 lb
WARRANTY	3 year
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Certified
PRODUCT TYPE	Photoelectric sensor

Powering Business Worldwide

Product specifications

CONTACT RATING	3A at 240 Vac
CABLE TYPE	Polyvinyl Chloride (PVC)
ENCLOSURE MATERIAL	Fiberglass reinforced plastic
OPERATING MODE	Thru-beam
CONNECTION	6.6 ft (2 m) cable
CONTACT CONFIGURATION	SPDT form C 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
TIME DELAY	Yes
CORD LENGTH	79.2 ft
MAXIMUM AC CURRENT	3 A
OPERATING TEMPERATURE - MAX	131 °F
OPERATING TEMPERATURE - MIN	-13 °F
ENVIRONMENTAL RATING	IP67, IP69K

Resources

CATALOGS	Sensing Solutions,Photoelectric Sensor, Volume 8, Tab 5
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 1251E-8514

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.