

Specifications



Photo is representative

Eaton E57-12GE05-C1DB

Eaton E57 Global Series Tubular Inductive Proximity Sensor, 0.47 diameter, Straight, Sensor dist.: 5 mm, 100 mA max DC, NPN Open Collector, NC, 100 mA at 30 Vdc, 4 Pin M12 Connector, 10-30 Vdc input, < 1% accuracy, Shielded

General specifications

PRODUCT NAME	Eaton E57 inductive proximity sensor
CATALOG NUMBER	E57-12GE05-C1DB
UPC	786685535333
PRODUCT LENGTH/DEPTH	0.47 in
PRODUCT HEIGHT	2.72 in
PRODUCT WIDTH	0.47 in
PRODUCT WEIGHT	0.0625 lb
WARRANTY	1 year
COMPLIANCES	CE Marked
CERTIFICATIONS	UL Listed CSA Certified



Powering Business Worldwide

Product specifications

CONTACT RATING	100 mA at 30 Vdc
ACTUATOR FUNCTION	Shielded
ACCURACY	< 1%
ENCLOSURE MATERIAL	Nickel plated brass
CONNECTION	4-pin M12 connector
CONTACT CONFIGURATION	NPN open collector, NC
SERIES	E57
SENSOR TYPE	Inductive proximity
ENVIRONMENTAL RATING	IP67, IP69K
OPERATING TEMPERATURE - MAX	158 °F
OPERATING TEMPERATURE - MIN	-13 °F
MAXIMUM DC CURRENT	100 mA
INPUT VOLTAGE	10-30 Vdc
LED INDICATOR	Output status: red
PROTECTION	Short circuit protected

Resources

CATALOGS	Product Range Catalog Sensors – products, basic information, applications Sensing Solutions, Inductive Proximity Sensors, Volume 8, Tab 3
MULTIMEDIA	We make what matters
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - E57-12GE05-C1DB

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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



© 2025 Eaton. All Rights Reserved.