

Specifications

Eaton 136245



Eaton Moeller series E57 Miniatur Series, Proximity switch, 10 - 30 V DC, d=6 mm, 1 N/O, 3-wire, 2 m connection cable, Sn= 1 mm, Flush mounting, PNP, Stainless steel

General specifications

PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	136245
MODEL CODE	E57EAL6T111SP
EAN	4015081330386
PRODUCT LENGTH/DEPTH	165.1 mm
PRODUCT HEIGHT	12.7 mm
PRODUCT WIDTH	139.7 mm
PRODUCT WEIGHT	0.14 kg
CERTIFICATIONS	CE IEC/EN 60947-5



Powering Business Worldwide

Product specifications

TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Cable
ENCLOSURE MATERIAL FINISHING	Other
ACTUATION TYPE	Metallic Target
ENCLOSURE MATERIAL	Metal
ENCLOSURE TYPE	Cylinder plain
CATEGORY (EN 954-1)	B
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
SAFETY PERFORMANCE LEVEL (EN ISO 13849-1)	None
SIL (IEC 61508)	None
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
DIAMETER SENSOR	6 mm
NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF OUTPUTS (PROTECTED CONTACT ENERGIZED)	0
NUMBER OF OUTPUTS (PROTECTED SEMICONDUCTOR)	0
NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)	1
OPERATIONAL CURRENT (IB) IN THE SWITCHED STATE AT 24 V DC	10 A
FUNCTIONS	Short-circuit protection
VOLTAGE TYPE	DC
MOUNTING METHOD	Flush mounting
MATERIAL	Stainless steel
CONNECTION TYPE	3-wire 2 m connection cable
INSTALLATION TYPE	Concise

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-proximity-switch-declaration-of-conformity-eu251573en.pdf
	eaton-proximity-switches-e57-proximity-switch-dimensions-005.eps
	eaton-proximity-switches-e57-proximity-switch-dimensions-008.eps
	eaton-proximity-switches-e57-proximity-switch-3d-drawing-006.eps
DRAWINGS	
MULTIMEDIA	We make what matters

DEGREE OF PROTECTION	IP67 NEMA 6P
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Normally open contact
LOAD CURRENT	Max. 200 mA (I _e)
RESIDUAL CURRENT	0.01 mA (through the load in the blocked state at 230 V AC and 24 V DC)
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
SWITCHING FREQUENCY	2000 Hz
VOLTAGE RATING - MAX	30 V
PRODUCT CATEGORY	E57 Miniatur Series
SWITCHING OUTPUT TYPE	PNP
TEMPERATURE DRIFT OF SN	10 %
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	10 V
RATED SWITCHING DISTANCE (SN) - MAX	1 mm
REPEATABILITY	1 %
SENSOR LENGTH	45 mm
SUPPLY VOLTAGE - MAX	30 V
SUPPLY VOLTAGE - MIN	10 V
SWITCHING HYSTERESIS OF SN	15 %
VOLTAGE DROP (UD)	1.5 V

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.

