

Specifications



Eaton 100539

Eaton Moeller® series E67 Proximity switch, optical, long range 60cm, 18-30VDC, NPN, PNP, dark, micro

General specifications

PRODUCT NAME	Eaton Moeller® series E67 Proximity switch
CATALOG NUMBER	100539
MODEL CODE	E67-LRDP060-HDD
EAN	4015081900121
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	57 mm
PRODUCT WIDTH	42 mm
PRODUCT WEIGHT	0.21 kg
CERTIFICATIONS	CE



Powering Business Worldwide

Product specifications

TYPE	Optical sensors
ELECTRIC CONNECTION TYPE	Other
FITTED WITH:	Background suppression (Perfect Prox)
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cuboid
OPERATING MODE	Switching principle: Dark switching
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
FUNCTIONS	Reflected-light beam
VOLTAGE TYPE	DC
WIRE SIZE	0
CONNECTION TYPE	Plug-in connection M12 x 1 4-wire
CABLE SHEATH MATERIAL	Other
LIGHT TYPE	Infrared light
DEGREE OF PROTECTION	IP67 NEMA Other
INTERFACE TYPE	Other
LED INDICATOR	Status indication of Operating voltage: Green LED Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Other
LOAD CURRENT	Max. 100 mA (I _e)
LASER PROTECTION CLASS	None
OPERATION AGENT-SAFETY CLASS	Safety class 2
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 6 ms
OPTICAL SURFACE MATERIAL	Plastic
OUTPUT CURRENT (MA) - MAX	100 mA
OUTPUT CURRENT AT PROTECTED OUTPUT - MAX	0 mA

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
DECLARATIONS OF CONFORMITY	DA-DC-00004657.pdf DA-DC-00004652.pdf
DRAWINGS	eaton-proximity-switches-e67-proximity-switch-dimensions.eps eaton-proximity-switches-e67-proximity-switch-3d-drawing.eps
INSTALLATION INSTRUCTIONS	IL05305005Z
MCAD MODEL	DA-CD-90_28291_001 DA-CS-90_28291_001

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	18 V
RATED SWITCHING DISTANCE (SN)	600 mm
REFLECTOR DISTANCE - MIN	0 mm
SENSOR HEIGHT	59 mm
SENSOR LENGTH	166 mm
SWITCHING DISTANCE - MAX	900 mm
SWITCHING VOLTAGE OF OSSD AT STATE HIGH	30 V
TRANSMISSION RANGE OF THE SAFETY FIELD	0 m
VOLTAGE RATING - MAX	30 V
SAFETY TYPE (IEC 61496-1)	1
SWITCHING FREQUENCY	0 Hz
SENSING MODE	Dark switching
SWITCHING OUTPUT TYPE	PNP/NPN
VIBRATION RESISTANCE	10 Hz - 2 kHz, 10 g
TRIANGULATION	Background fade-out
WAVELENGTH OF THE SENSOR	0 nm
WIDTH SENSOR	43 mm
PRODUCT CATEGORY	E67 Long Range Series
RESPONSE TIME	15 ms
ADJUSTMENT RANGE - MAX	600 mm

ADJUSTMENT RANGE - MIN	0 mm
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-35 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
DIAMETER SENSOR	0 mm
LIGHT DOT SIZE	0 mm ²
NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	0
NUMBER OF OUTPUTS (PROTECTED CONTACT ENERGIZED)	0
NUMBER OF OUTPUTS (PROTECTED SEMICONDUCTOR)	0
NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)	2
OPERATING DISTANCE - MAX	0 mm
OPERATING DISTANCE - MIN	0 mm
OPERATING TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-35 °C
ADJUSTMENT TYPE	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

© 2025 Eaton. All Rights Reserved.

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

