

# Specifications



## Eaton 100566

Eaton Moeller® series E67 Proximity switch, optical, long range 190cm, 18-30VDC, NPN, PNP, light, micro

### General specifications

PRODUCT NAME	Eaton Moeller® series E67 Proximity switch
CATALOG NUMBER	100566
MODEL CODE	E67-LRDP190-HLD
EAN	4015081900398
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	57 mm
PRODUCT WIDTH	42 mm
PRODUCT WEIGHT	0.21 kg
CERTIFICATIONS	CE

## Product specifications

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

## Resources

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

<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	30 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	18 V
<b>RATED SWITCHING DISTANCE (SN)</b>	1900 mm
<b>REFLECTOR DISTANCE - MIN</b>	0 mm
<b>SENSOR HEIGHT</b>	59 mm
<b>SENSOR LENGTH</b>	166 mm
<b>SWITCHING DISTANCE - MAX</b>	2200 mm
<b>SWITCHING VOLTAGE OF OSSD AT STATE HIGH</b>	30 V
<b>TRANSMISSION RANGE OF THE SAFETY FIELD</b>	0 m
<b>VOLTAGE RATING - MAX</b>	30 V
<b>SAFETY TYPE (IEC 61496-1)</b>	1
<b>SWITCHING FREQUENCY</b>	0 Hz
<b>SENSING MODE</b>	Light switching
<b>SWITCHING OUTPUT TYPE</b>	NPN
<b>VIBRATION RESISTANCE</b>	10 Hz - 2 kHz, 10 g
<b>TRIANGULATION</b>	Background fade-out
<b>WAVELENGTH OF THE SENSOR</b>	0 nm
<b>WIDTH SENSOR</b>	43 mm
<b>PRODUCT CATEGORY</b>	E67 Long Range Series
<b>RESPONSE TIME</b>	15 ms
<b>ADJUSTMENT RANGE - MAX</b>	1900 mm

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

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

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