

Specifications



Eaton 100547

Eaton Moeller® series E67 Proximity switch, optical, long range 100cm, 18-30VDC, NPN, PNP, dark, micro

General specifications

PRODUCT NAME	Eaton Moeller® series E67 Proximity switch
CATALOG NUMBER	100547
MODEL CODE	E67-LRDP100-HDD
EAN	4015081900206
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	57 mm
PRODUCT WIDTH	42 mm
PRODUCT WEIGHT	0.21 kg
CERTIFICATIONS	CE



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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	4-wire Plug-in connection M12 x 1
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
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC -	18 V

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
DECLARATIONS OF CONFORMITY	eaton-proximity-sensor-declaration-of-conformity-eu251572en.pdf
DRAWINGS	eaton-proximity-switches-e67-proximity-switch-dimensions.eps eaton-proximity-switches-e67-proximity-switch-3d-drawing.eps
INSTALLATION INSTRUCTIONS	IL05305005Z
MCAD MODEL	eaton-photoelectric-sensors-mcad-drawings-90-28291-001.dwg DA-CS-90_28291_001

MIN	
RATED SWITCHING DISTANCE (SN)	1000 mm
SENSOR HEIGHT	59 mm
SENSOR LENGTH	166 mm
SWITCHING DISTANCE - MAX	1300 mm
SWITCHING VOLTAGE OF OSSD AT STATE HIGH	30 V
VOLTAGE RATING - MAX	30 V
SAFETY TYPE (IEC 61496-1)	1
SENSING MODE	Dark switching
SWITCHING OUTPUT TYPE	PNP
VIBRATION RESISTANCE	10 Hz - 2 kHz, 10 g
TRIANGULATION	Background fade-out
WIDTH SENSOR	43 mm
PRODUCT CATEGORY	E67 Long Range Series
RESPONSE TIME	15 ms
ADJUSTMENT RANGE - MAX	1000 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
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 TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-35 °C

ADJUSTMENT TYPE	Other
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PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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