



Eaton 100557

Eaton Moeller® series E67 Proximity switch, optical, long range 150cm, 18-30VDC, NPN, PNP, dark, micro

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PRODUCT NAME	Eaton Moeller® series E67 Proximity switch
CATALOG NUMBER	100557
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	57 mm
PRODUCT WIDTH	42 mm
PRODUCT WEIGHT	0.21 kg
CERTIFICATIONS	CE



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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 Switching state: Red LED Status indication of Operating voltage: Green 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

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MIN	
RATED SWITCHING DISTANCE (SN)	1500 mm
SENSOR HEIGHT	59 mm
SENSOR LENGTH	166 mm
SWITCHING DISTANCE - MAX	1800 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	NPN
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	1500 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

