

Specifications

Eaton 100555

Eaton Moeller® series E67 Proximity switch, optical, long range 140cm, 18-30VDC, NPN, PNP, dark, micro

General specifications

PRODUCT NAME	Eaton Moeller® series E67 Proximity switch
CATALOG NUMBER	100555
MODEL CODE	E67-LRDP140-HDD
EAN	4015081900282
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	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-00004652.pdf DA-DC-00004657.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)	1400 mm
REFLECTOR DISTANCE - MIN	0 mm
SENSOR HEIGHT	59 mm
SENSOR LENGTH	166 mm
SWITCHING DISTANCE - MAX	1700 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	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	1400 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:



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