



Eaton 135641

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=150mm, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12 13108RQD07

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PRODUCT NAME	Eaton Moeller® series E58 Diffuse reflective sensor
CATALOG NUMBER	135641
PRODUCT LENGTH/DEPTH	158.75 mm
PRODUCT HEIGHT	50.8 mm
PRODUCT WIDTH	133.35 mm
PRODUCT WEIGHT	0.32 kg
CERTIFICATIONS	CSA CSA-C22.2 No. 14 UL Category Control No.: NRKH, NRKH7 UL File No.: E117028 UL 508 CSA File No.: 50513 UL CE CSA Class No.: 3211-07 IEC/EN 60947-5-2

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TYPE	Optical sensors
FEATURES	Right-angled beam
ELECTRIC CONNECTION TYPE	Plug-in connection
FITTED WITH:	Background suppression (Perfect Prox)
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cylinder, screw-thread
OPERATING MODE	Switching principle: Adjustable bright/dark switching
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
FUNCTIONS	Short-circuit protection Reflected-light beam Protection against polarity reversal
VOLTAGE TYPE	DC
WIRE SIZE	22
CONNECTION TYPE	Plug-in connection M12 x 1 4-wire
CABLE SHEATH MATERIAL	Other
LIGHT TYPE	Infrared light
DEGREE OF PROTECTION	IP67 NEMA 6
INTERFACE TYPE	Other
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Programmable/configurable
LOAD CURRENT	Max. 250 mA (Ie, NPN, 120 > 50°C) Max. 100 mA (Ie, PNP)
LASER PROTECTION CLASS	None
OPERATION AGENT-SAFETY CLASS	Safety class 2
SHOCK RESISTANCE	100 g, Mechanical, Shock duration 3 ms
OPTICAL SURFACE MATERIAL	Plastic
OUTPUT CURRENT (MA) - MAX	250 mA
RATED CONTROL	30 V

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SUPPLY VOLTAGE (US) AT DC - MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	10 V
RATED SWITCHING DISTANCE (SN)	150 mm
SENSOR LENGTH	66 mm
SWITCHING DISTANCE - MAX	150 mm
SWITCHING VOLTAGE OF OSSD AT STATE HIGH	30 V
VOLTAGE RATING - MAX	30 V
SAFETY TYPE (IEC 61496- 1)	1
SWITCHING FREQUENCY	500 Hz
SENSING MODE	Light-/dark switching
SWITCHING OUTPUT TYPE	PNP
SENSOR MATERIAL	Insulated material
TRIANGULATION	Background fade-out
PRODUCT CATEGORY	Comet Series
RESPONSE TIME	1 ms
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
DIAMETER SENSOR	18 mm
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
OPERATIONAL CURRENT (IB) IN THE SWITCHED STATE AT 24 V DC	30 A
ADJUSTMENT TYPE	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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