



## Eaton 135665

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=100mm, 4L, 10-30VDC, dark, NPN, PNP, M18, metal, M12

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<b>PRODUCT NAME</b>	Eaton Moeller® series E58 Diffuse reflective sensor
<b>CATALOG NUMBER</b>	135665
<b>PRODUCT LENGTH/DEPTH</b>	38.1 mm
<b>PRODUCT HEIGHT</b>	38.1 mm
<b>PRODUCT WIDTH</b>	38.1 mm
<b>PRODUCT WEIGHT</b>	0.23 kg
<b>CERTIFICATIONS</b>	CE UL UL 508 CSA-C22.2 No. 14 UL Category Control No.: NRKH, NRKH7 UL File No.: E166051 CSA File No.: UL report applies to both US and Canada Certified by UL for use in Canada IEC/EN 60947-5-2

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TYPE	Optical sensors
ELECTRIC CONNECTION TYPE	Connector M12
FITTED WITH:	Background suppression (Perfect Prox)
ENCLOSURE MATERIAL	Metal
ENCLOSURE TYPE	Cylinder, screw-thread
OPERATING MODE	Switching principle: Dark switching
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
FUNCTIONS	Reflected-light beam Protection against polarity reversal Short-circuit protection Protection against wire breakage
VOLTAGE TYPE	DC
WIRE SIZE	0
CONNECTION TYPE	4-wire Plug-in connection M12 x 1
CABLE SHEATH MATERIAL	Other
LIGHT TYPE	Other
DEGREE OF PROTECTION	NEMA 6 IP68
INTERFACE TYPE	Other
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Other
LOAD CURRENT	Max. 100 mA (Ie, PNP) Max. 250 mA (Ie, NPN)
LASER PROTECTION CLASS	None
OPERATION AGENT-SAFETY CLASS	Safety class 2
SHOCK RESISTANCE	100 g, Mechanical, Shock duration 3 ms
OPTICAL SURFACE MATERIAL	Glass
OUTPUT CURRENT (MA) - MAX	250 mA
OUTPUT CURRENT AT PROTECTED OUTPUT - MAX	0 mA

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□□□□□	<a href="#">IL05305003Z</a>
□□	<a href="#">eaton-proximity-switches-e58-diffuse-reflective-sensor-dimensions.eps</a>  <a href="#">eaton-proximity-switches-e58-diffuse-reflective-sensor-3d-drawing.eps</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>	10 V
<b>RATED SWITCHING DISTANCE (SN)</b>	100 mm
<b>REFLECTOR DISTANCE - MIN</b>	0 mm
<b>SENSOR HEIGHT</b>	0 mm
<b>SENSOR LENGTH</b>	80 mm
<b>SWITCHING DISTANCE - MAX</b>	127 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>	500 Hz
<b>SENSING MODE</b>	Dark switching
<b>SWITCHING OUTPUT TYPE</b>	PNP
<b>SENSOR MATERIAL</b>	Stainless steel
<b>TRIANGULATION</b>	Background fade-out
<b>WAVELENGTH OF THE SENSOR</b>	660 nm
<b>WIDTH SENSOR</b>	0 mm
<b>PRODUCT CATEGORY</b>	E58 Harsh Duty Series
<b>RESPONSE TIME</b>	1 ms
<b>ADJUSTMENT RANGE - MAX</b>	100 mm
<b>ADJUSTMENT RANGE - MIN</b>	0 mm
<b>AMBIENT OPERATING</b>	55 °C

TEMPERATURE - MAX	
AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
DIAMETER SENSOR	18 mm
LIGHT DOT SIZE	0 mm²
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
ADJUSTMENT TYPE	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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