

Specifications



Eaton 135597

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=225mm, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12 13103AQD07

General specifications

PRODUCT NAME	Eaton Moeller® series E58 Diffuse reflective sensor
CATALOG NUMBER	135597
MODEL CODE	13103AQD07
EAN	4015081323906
PRODUCT LENGTH/DEPTH	127 mm
PRODUCT HEIGHT	50.8 mm
PRODUCT WIDTH	152.4 mm
PRODUCT WEIGHT	0.3 kg
CERTIFICATIONS	CSA Class No.: 3211-07 CSA-C22.2 No. 14 IEC/EN 60947-5-2 CSA File No.: 50513 UL Category Control No.: NRKH, NRKH7 UL File No.: E117028 CE UL UL 508 CSA

Product specifications

TYPE	Optical sensors
FEATURES	Straight 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	Reflected-light beam Protection against polarity reversal Short-circuit protection
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. 100 mA (Ie, PNP) Max. 250 mA (Ie, NPN, 120 > 50°C)
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

Resources

DECLARATIONS OF CONFORMITY	eaton-proximity-sensor-declaration-of-conformity-eu251572en.pdf
DRAWINGS	eaton-proximity-switches-dimensions-007.eps eaton-proximity-switches-dimensions-002.eps eaton-proximity-switches-3d-drawing-004.eps
INSTALLATION INSTRUCTIONS	IL05305002Z
MCAD MODEL	eaton-photoelectric-sensors-mcad-drawings-90-28267-107.dwg DA-CS-90_28267_107

SUPPLY VOLTAGE (US) AT DC - MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	10 V
RATED SWITCHING DISTANCE (SN)	225 mm
SENSOR LENGTH	66 mm
SWITCHING DISTANCE - MAX	225 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:
DATE:



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