

Specifications



Eaton 135621

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=200mm, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12 13106AQD07

General specifications

PRODUCT NAME	Eaton Moeller® series E58 Diffuse reflective sensor
CATALOG NUMBER	135621
MODEL CODE	13106AQD07
EAN	4015081324149
PRODUCT LENGTH/DEPTH	158.75 mm
PRODUCT HEIGHT	50.8 mm
PRODUCT WIDTH	133.35 mm
PRODUCT WEIGHT	0.32 kg
CERTIFICATIONS	CSA Class No.: 3211-07 CSA File No.: 50513 CSA UL IEC/EN 60947-5-2 UL File No.: E117028 CE UL 508 UL Category Control No.: NRKH, NRKH7 CSA-C22.2 No. 14



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Product specifications

TYPE	Optical sensors
FEATURES	Straight beam
ELECTRIC CONNECTION TYPE	Plug-in connection
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	4-wire Plug-in connection M12 x 1
CABLE SHEATH MATERIAL	Polyvinyl chloride (PVC)
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	Other
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 SUPPLY VOLTAGE (US) AT DC - MAX	30 V

Resources

DECLARATIONS OF CONFORMITY	eaton-proximity-sensor-declaration-of-conformity-eu251572en.pdf
DRAWINGS	eaton-proximity-switches-dimensions-002.eps eaton-proximity-switches-dimensions-003.eps eaton-proximity-switches-3d-drawing-007.eps
INSTALLATION INSTRUCTIONS	IL05305002Z
MCAD MODEL	DA-CS-90 28267 104 eaton-photoelectric-sensors-mcad-drawings-90-28267-104.dwg

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	10 V
RATED SWITCHING DISTANCE (SN)	200 mm
SENSOR LENGTH	56 mm
SWITCHING DISTANCE - MAX	200 mm
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
ACCESSORIES	Can be expanded with fibre optic cable.
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	Manual adjustment

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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