

Specifications

Eaton 135567

Eaton Moeller® series E58 Thru-beam photoelectric sensor, receiver, Sn=6m, 4L, 10-30VDC, light/dark, NPN, PNP, M18, insulated material 12100A6517

General specifications

PRODUCT NAME	Eaton Moeller® series E58 Thru-beam photoelectric sensor
CATALOG NUMBER	135567
EAN	4015081323609
PRODUCT LENGTH/DEPTH	55.88 mm
PRODUCT HEIGHT	16.51 mm
PRODUCT WIDTH	11.938 mm
PRODUCT WEIGHT	0.225 kg
CERTIFICATIONS	UL 508 CE UL File No.: E117028 CSA CSA File No.: 50513 UL Category Control No.: NRKH, NRKH7 CSA Class No.: 3211-07 CSA-C22.2 No. 14 UL IEC/EN 60947-5-2
MODEL CODE	12100A6517

Product specifications

TYPE	Optical sensors
FEATURES	Straight beam
DEVICE TYPE	Receiver
ELECTRIC CONNECTION TYPE	Cable
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 Protection against polarity reversal Thru-light beam Detector (for combination with source)
VOLTAGE TYPE	DC
WIRE SIZE	0
CONNECTION TYPE	2 m connection cable 4-wire
CABLE SHEATH MATERIAL	Polyurethane (PUR)
LIGHT TYPE	Polarity free red light
DEGREE OF PROTECTION	NEMA 4 IP67
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) -	30 mA

Resources

CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
DECLARATIONS OF CONFORMITY	DA-DC-00004657.pdf DA-DC-00004652.pdf
DRAWINGS	eaton-proximity-switches- dimensions-003.eps eaton-proximity-switches- dimensions-002.eps eaton-proximity-switches- 3d-drawing-002.eps
INSTALLATION INSTRUCTIONS	IL05305002Z
MCAD MODEL	DA-CS-90_28267_004 DA-CD-90_28267_004

MAX	
OUTPUT CURRENT AT PROTECTED OUTPUT - MAX	0 mA
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	10 V
RATED SWITCHING DISTANCE (SN)	6000 mm
REFLECTOR DISTANCE - MIN	0 mm
SENSOR HEIGHT	0 mm
SENSOR LENGTH	56 mm
SWITCHING DISTANCE - MAX	6000 mm
SWITCHING VOLTAGE OF OSSD AT STATE HIGH	0 V
TRANSMISSION RANGE OF THE SAFETY FIELD	0 m
VOLTAGE RATING - MAX	30 V
SAFETY TYPE (IEC 61496-1)	1
SWITCHING FREQUENCY	142 Hz
SENSING MODE	Light-/dark switching
SWITCHING OUTPUT TYPE	PNP
SENSOR MATERIAL	Insulated material
WAVELENGTH OF THE SENSOR	0 nm
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	Comet Series
RESPONSE TIME	7 ms

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-20 °C
DIAMETER SENSOR	18 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)	0
OPENING ANGLE	0 °
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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