

Specifications

Eaton 135691



Eaton Moeller® series E58 Retroreflective sensing sensor, Sn=18m, 4L, 10-30VDC, light, NPN, PNP, M30, metal, M12

General specifications

PRODUCT NAME	Eaton Moeller® series E58 Retroreflective sensor
CATALOG NUMBER	135691
MODEL CODE	E58-30RS18-HLP
EAN	4015081324842
PRODUCT LENGTH/DEPTH	165.1 mm
PRODUCT HEIGHT	44.45 mm
PRODUCT WIDTH	165.1 mm
PRODUCT WEIGHT	0.23 kg
CERTIFICATIONS	CE UL Category Control No.: NRKH, NRKH7 CSA-C22.2 No. 14 UL Certified by UL for use in Canada UL 508 CSA File No.: UL report applies to both US and Canada UL File No.: E166051 IEC/EN 60947-5-2

Product specifications

TYPE	Optical sensors
ELECTRIC CONNECTION TYPE	Connector M12
ENCLOSURE MATERIAL	Metal
ENCLOSURE TYPE	Cuboid
OPERATING MODE	Switching principle: Light switching
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
FUNCTIONS	Protection against polarity reversal Reflected-light beam For combination with reflector Short-circuit protection Protection against wire breakage
VOLTAGE TYPE	DC
CONNECTION TYPE	Plug-in connection M12 x 1 4-wire
LIGHT TYPE	Other
DEGREE OF PROTECTION	NEMA 6P, 13 IP68
INTERFACE TYPE	Other
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Other
LOAD CURRENT	Max. 100 mA (I _e)
LASER PROTECTION CLASS	None
SHOCK RESISTANCE	100 g, Mechanical, Shock duration 3 ms
OPTICAL SURFACE MATERIAL	Glass
OUTPUT CURRENT (MA) - MAX	100 mA
OUTPUT CURRENT AT PROTECTED OUTPUT - MAX	0 mA
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY	0 V

Resources

CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
DECLARATIONS OF CONFORMITY	DA-DC-00004652.pdf DA-DC-00004657.pdf
DRAWINGS	eaton-proximity-switches-e58-diffuse-reflective-sensor-dimensions-002.eps eaton-proximity-switches-e58-diffuse-reflective-sensor-3d-drawing.eps
INSTALLATION INSTRUCTIONS	IL05305003Z

VOLTAGE (US) AT AC, 50 HZ - MIN	
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)	18000 mm
REFLECTOR DISTANCE - MIN	0 mm
SENSOR HEIGHT	0 mm
SENSOR LENGTH	111 mm
SWITCHING DISTANCE - MAX	0 mm
SWITCHING VOLTAGE OF OSSD AT STATE HIGH	30 V
TRANSMISSION RANGE OF THE SAFETY FIELD	0 m
VOLTAGE RATING - MAX	30 V
SAFETY TYPE (IEC 61496-1)	1
SWITCHING FREQUENCY	312 Hz
SENSING MODE	Light switching
SWITCHING OUTPUT TYPE	PNP/NPN
SENSOR MATERIAL	Stainless steel
WAVELENGTH OF THE SENSOR	0 nm
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E58 Harsh Duty Series
RESPONSE TIME	1.6 ms
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
DIAMETER SENSOR	30 mm
LIGHT DOT SIZE	0 mm ²
NUMBER OF CONTACT	0

ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	
NUMBER OF OUTPUTS (PROTECTED CONTACT ENERGIZED)	0
NUMBER OF OUTPUTS (PROTECTED SEMICONDUCTOR)	0
NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)	2
ADJUSTMENT TYPE	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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