

Specifications



Photo is representative



Eaton 197797

Eaton Moeller® series E57P Proximity switch, E57P Performance Serie, 1 N/O, 3-wire, 10 – 48 V DC, M18 x 1 mm, Sn= 8 mm, Non-flush, NPN, Stainless steel, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57P Proximity switch
CATALOG NUMBER	197797
MODEL CODE	E57P-18UNN8-C2
EAN	4015081949045
PRODUCT LENGTH/DEPTH	65.9 mm
PRODUCT HEIGHT	18 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.138 kg
CERTIFICATIONS	CSA-C22.2 No. 14 IEC/EN 60947-5-2 UL File No.: E166051 Certified by UL for use in Canada UL 508 UL Category Control No.: NRKH, NRKH7 UL Listed

Product specifications

TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Cable
ENCLOSURE MATERIAL FINISHING	Other
ACTUATION TYPE	Metallic Target
ENCLOSURE MATERIAL	Metal
ENCLOSURE TYPE	Cylinder, screw-thread
CATEGORY (EN 954-1)	B
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
SAFETY PERFORMANCE LEVEL (EN ISO 13849-1)	None
SIL (IEC 61508)	None
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 CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF OUTPUTS (PROTECTED CONTACT ENERGIZED)	0
NUMBER OF OUTPUTS (PROTECTED SEMICONDUCTOR)	0
NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)	1
OPERATIONAL CURRENT (IB) IN THE SWITCHED STATE AT 24 V DC	10 A
OUTPUT CURRENT AT PROTECTED OUTPUT - MAX	0 mA
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V

Resources

BROCHURES	eaton-sensors-brochure-br053001en-en-us.pdf
CATALOGUES	Product Range Catalog Sensors – products, basic information, applications
	DA-DC-00004655.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004656.pdf
	DA-DC-00004650.pdf
	DA-DC-00004651.pdf
ECAD MODEL	DA-CE-ETN.E57P-18UNN8-C2
INSTALLATION INSTRUCTIONS	eaton-inductive-proximity-sensors-e57g-il053003en.pdf
MCAD MODEL	DA-CD-90_29320_012
	DA-CS-90_29320_012
MULTIMEDIA	We make what matters

FUNCTIONS	Short-circuit protection
VOLTAGE TYPE	DC
MOUNTING METHOD	Non-flush mounting
MATERIAL	Stainless steel
CONNECTION TYPE	2 m connection cable 3-wire
INSTALLATION TYPE	Not flat
DEGREE OF PROTECTION	IP69 NEMA 6P
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Yellow LED
SWITCH FUNCTION TYPE	Normally open contact
LOAD CURRENT	1 - 300 mA (I _e)
SHOCK RESISTANCE	30 g, Shock duration 11 ms, Half-Sinusoidal
SWITCHING FREQUENCY	1200 Hz
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E57P Performance series
SWITCHING OUTPUT TYPE	NPN
TEMPERATURE DRIFT OF SN	10 %
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) - MAX	8 mm
REPEATABILITY	3 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	65.9 mm
SUPPLY VOLTAGE - MAX	30 V
SUPPLY VOLTAGE - MIN	10 V

SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE DROP (UD)	2.5 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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