

Specifications



Photo is representative



Eaton 197823

Eaton Moeller® series E57PS Proximity switch, E57P Performance Short Body Serie, 1 NC, 3-wire, 10 – 48 V DC, M12 x 1 mm, Sn= 2 mm, Flush, PNP, Stainless steel, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57PS Proximity switch
CATALOG NUMBER	197823
MODEL CODE	E57PS-12SPC2-C2
EAN	4015081949304
PRODUCT LENGTH/DEPTH	40.9 mm
PRODUCT HEIGHT	12 mm
PRODUCT WIDTH	12 mm
PRODUCT WEIGHT	0.079 kg
CERTIFICATIONS	IEC/EN 60947-5-2 Certified by UL for use in Canada UL Category Control No.: NRKH, NRKH7 CSA-C22.2 No. 14 UL File No.: E166051 UL Listed UL 508



Powering Business Worldwide

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	12 mm
NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	0
NUMBER OF CONTACTS (NORMALLY CLOSED 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-00004656.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004651.pdf
	DA-DC-00004655.pdf
	DA-DC-00004650.pdf
ECAD MODEL	DA-CE-ETN.E57PS-12SPC2-C2
INSTALLATION INSTRUCTIONS	eaton-inductive-proximity-sensors-e57g-il053003en.pdf
MCAD MODEL	DA-CS-90_29320_006
	DA-CD-90_29320_006
MULTIMEDIA	We make what matters

FUNCTIONS	Short-circuit protection
VOLTAGE TYPE	DC
MOUNTING METHOD	Flush mounting
MATERIAL	Stainless steel
CONNECTION TYPE	3-wire 2 m connection cable
INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	NEMA 6P IP69
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Yellow LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	1 - 300 mA (Ie)
SHOCK RESISTANCE	30 g, Shock duration 11 ms, Half-Sinusoidal
SWITCHING FREQUENCY	2000 Hz
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E57P Performance series
SWITCHING OUTPUT TYPE	PNP
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	2 mm
REPEATABILITY	1 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	40.9 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:



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