

Specifications



Photo is representative



Eaton 197857

Eaton Moeller® series E57PS Proximity switch, E57P Performance Short Body Serie, 1 N/O, 3-wire, 10 – 48 V DC, M30 x 1.5 mm, Sn= 10 mm, Flush, PNP, Stainless steel, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57PS Proximity switch
CATALOG NUMBER	197857
MODEL CODE	E57PS-30SPN10-C2
EAN	4015081949649
PRODUCT LENGTH/DEPTH	67.7 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.136 kg
CERTIFICATIONS	IEC/EN 60947-5-2 UL File No.: E166051 UL Listed UL Category Control No.: NRKH, NRKH7 Certified by UL for use in Canada CSA-C22.2 No. 14 UL 508

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	30 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
DECLARATIONS OF CONFORMITY	DA-DC-00004656.pdf DA-DC-00004651.pdf
ECAD MODEL	DA-CE-ETN.E57PS-30SPN10-C2
INSTALLATION INSTRUCTIONS	eaton-inductive-proximity-sensors-e57g-il053003en.pdf
MCAD MODEL	DA-CS-90_29320_021 DA-CD-90_29320_021
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	Normally open contact
LOAD CURRENT	1 - 300 mA (I _e)
SHOCK RESISTANCE	30 g, Shock duration 11 ms, Half-Sinusoidal
SWITCHING FREQUENCY	600 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	10 mm
REPEATABILITY	1 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	67.7 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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