



Eaton 135897

Eaton Moeller series E57 Premium+ Series, Proximity switch, 6 - 48 V DC, d=12 mm, 1 N/C, 2 m connection cable, 3-wire, Sn= 6 mm, Semi-shielded mounting, PNP, Stainless steel



PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	135897
PRODUCT LENGTH/DEPTH	127 mm
PRODUCT HEIGHT	160.02 mm
PRODUCT WIDTH	50.8 mm
PRODUCT WEIGHT	0.14 kg
CERTIFICATIONS	None CSA Class No.: none IEC/EN 60947-5-2 CSA File No.: none



Powering Business Worldwide

□□□□

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	-25 °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
VOLTAGE TYPE	DC
MOUNTING METHOD	Semi-shielded mounting
MATERIAL	Stainless steel
CONNECTION TYPE	2 m connection cable 3-wire
INSTALLATION TYPE	Not flat
DEGREE OF PROTECTION	IP67

□□

□□□□□	IL05301003Z
□□	eaton-proximity-switches-proximity-switch-dimensions-045.eps

	NEMA 4X, 6, 13
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	Max. 500 mA (I _e , at 6 - 30 V DC)
RESIDUAL CURRENT	0.1 mA (through the load in the blocked state at 230 V AC and 24 V DC)
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
SWITCHING FREQUENCY	800 Hz
VOLTAGE RATING - MAX	48 V
PRODUCT CATEGORY	E57 Premium+ Series
SWITCHING OUTPUT TYPE	PNP
TEMPERATURE DRIFT OF SN	10 %
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	6 V
RATED SWITCHING DISTANCE (SN) - MAX	6 mm
REPEATABILITY	3 %
SENSOR LENGTH	72.8 mm
SUPPLY VOLTAGE - MAX	48 V
SUPPLY VOLTAGE - MIN	6 V
SWITCHING HYSTERESIS OF SN	15 %
VOLTAGE DROP (UD)	2.5 V

