



Eaton 136145

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Short-Series, 1 NC, 2-wire, 40 - 250 V AC, M12 x 1 mm, Sn= 2 mm, Flush, Stainless steel, Plug-in connection M12 x 1

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PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	136145
PRODUCT LENGTH/DEPTH	160.02 mm
PRODUCT HEIGHT	43.18 mm
PRODUCT WIDTH	129.54 mm
PRODUCT WEIGHT	0.2 kg
CERTIFICATIONS	CSA UL File No.: E166051 UL UL 508 CSA File No.: 50513 CE CSA Class No.: 3211-03 CSA-C22.2 No. 14 UL Category Control No.: NRKH, NRKH7 IEC/EN 60947-5-2



Powering Business Worldwide

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TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Connector M12
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
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	250 V
VOLTAGE TYPE	AC
MOUNTING METHOD	Flush mounting
MATERIAL	Stainless steel
CONNECTION TYPE	2-wire Plug-in connection M12 x

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INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	IP67 NEMA 4X, 6, 13
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	1 - 250 mA (I _e , 70 °C) 1 - 500 mA (I _e , at 25 °C)
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	20 Hz
VOLTAGE RATING - MAX	250 V
PRODUCT CATEGORY	E57 Premium+ Short- Series
SWITCHING OUTPUT TYPE	Two-wire
TEMPERATURE DRIFT OF SN	10 %
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	20 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	250 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	20 V
RATED SWITCHING DISTANCE (SN) - MAX	2 mm
REPEATABILITY	3 %
SENSOR LENGTH	68 mm
SUPPLY VOLTAGE - MAX	250 V
SUPPLY VOLTAGE - MIN	20 V
SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE DROP (UD)	2.5 V

