



Eaton 136175

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Short-Series, 1 NC, 2-wire, 40 - 250 V AC, M30 x 1.5 mm, Sn= 10 mm, Flush, Stainless steel, Plug-in connection M12 x 1

□□□□

PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	136175
PRODUCT LENGTH/DEPTH	157.48 mm
PRODUCT HEIGHT	50.8 mm
PRODUCT WIDTH	127 mm
PRODUCT WEIGHT	0.25 kg
CERTIFICATIONS	UL 508 CSA-C22.2 No. 14 CSA Class No.: 3211-03 UL File No.: E166051 UL CE CSA IEC/EN 60947-5-2 CSA File No.: 50513 UL Category Control No.: NRKH, NRKH7

□□□□

TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Plug-in connection
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	30 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	250 V
VOLTAGE TYPE	AC
MOUNTING METHOD	Flush mounting

□□

□□□□□

[IL05301003Z](#)

MATERIAL	Stainless steel
CONNECTION TYPE	2-wire Plug-in connection M12 x 1
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 - 500 mA (I _e , at 25 °C) 1 - 250 mA (I _e , 70 °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
WIDTH SENSOR	0 mm
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 CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED SWITCHING DISTANCE (SN) - MAX	10 mm
REPEATABILITY	3 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	74 mm
SUPPLY VOLTAGE - MAX	250 V
SUPPLY VOLTAGE - MIN	20 V

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

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



 Eaton House
30 Pembroke Road
Dublin 4, Eaton.com

© 2025

Follow us on social media to get the latest product and support information.

