

Specifications

Eaton 136091

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Short-Series, 1 N/O, 2-wire, 40 - 250 V AC, 20 - 250 V DC, M12 x 1 mm, Sn= 4 mm, Non-flush, NPN/PNP, Stainless steel, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	136091
MODEL CODE	E57SAL12A2E
EAN	4015081328840
PRODUCT LENGTH/DEPTH	127 mm
PRODUCT HEIGHT	154.94 mm
PRODUCT WIDTH	53.34 mm
PRODUCT WEIGHT	0.23 kg
CERTIFICATIONS	CSA Class No.: 3211-03 CSA UL File No.: E166051 CSA-C22.2 No. 14 UL Category Control No.: NRKH, NRKH7 UL 508 UL CSA File No.: 50513 CE IEC/EN 60947-5-2

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	-25 °C
DIAMETER SENSOR	12 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
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	Non-flush mounting

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
DRAWINGS	1360DRW-92
INSTALLATION INSTRUCTIONS	IL05301003Z
MULTIMEDIA	We make what matters

MATERIAL	Stainless steel
CONNECTION TYPE	2-wire 2 m connection cable
INSTALLATION TYPE	Not flat
DEGREE OF PROTECTION	IP67 NEMA 4X, 6, 13
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Normally open contact
LOAD CURRENT	5 - 200 mA (I _e , 70 °C) 5 - 250 mA (I _e , at 25 °C)
RESIDUAL CURRENT	2 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	60 Hz
VOLTAGE RATING - MAX	250 V
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E57 Premium+ Short- Series
SWITCHING OUTPUT TYPE	PNP/NPN
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	4 mm
REPEATABILITY	3 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	52 mm

SUPPLY VOLTAGE - MAX	250 V
SUPPLY VOLTAGE - MIN	20 V
SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE DROP (UD)	12 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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