

Specifications

Eaton 135937

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 N/O, 2-wire, 10 - 30 V DC, M18 x 1 mm, Sn= 8 mm, Non-flush, NPN/PNP, Metal, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	135937
MODEL CODE	E57-18GU08-D
EAN	4015081327300
PRODUCT LENGTH/DEPTH	152.4 mm
PRODUCT HEIGHT	44.45 mm
PRODUCT WIDTH	152.4 mm
PRODUCT WEIGHT	0.23 kg
CERTIFICATIONS	CE UL File No.: CSA report applies to both US and Canada CSA File No.: 224447 CSA-C22.2 No. 14 UL 508 CSA IEC/EN 60947-5-2 CSA Class No.: 4652-04 / 4652-84

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	18 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	20 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
DRAWINGS	eaton-proximity-switches-proximity-switch-dimensions-031.eps eaton-proximity-switches-e57-proximity-switch-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.E57-18GU08-D
INSTALLATION INSTRUCTIONS	IL05301002Z
MULTIMEDIA	We make what matters

VOLTAGE TYPE	DC
MOUNTING METHOD	Non-flush mounting
MATERIAL	Metal
CONNECTION TYPE	2 m connection cable 2-wire
INSTALLATION TYPE	Not flat
DEGREE OF PROTECTION	IP69 IP67 NEMA Other
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Normally open contact
LOAD CURRENT	3 - 100 mA (I _e)
RESIDUAL CURRENT	0.8 mA (through the load in the blocked state at 230 V AC and 24 V DC)
RESIDUAL RIPPLE	10 % (U _e)
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
SWITCHING FREQUENCY	500 Hz
VOLTAGE RATING - MAX	30 V
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E57 Global Series
SWITCHING OUTPUT TYPE	PNP/NPN
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	8 mm
REPEATABILITY	2 %

SENSOR HEIGHT	0 mm
SENSOR LENGTH	55 mm
SUPPLY VOLTAGE - MAX	30 V
SUPPLY VOLTAGE - MIN	10 V
SWITCHING HYSTERESIS OF SN	15 %
VOLTAGE DROP (UD)	6 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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