

Specifications

Eaton 135872

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 NC, 2-wire, 10 - 30 V DC, M12 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	135872
MODEL CODE	E57-12GE08-D1
EAN	4015081326655
PRODUCT LENGTH/DEPTH	165.1 mm
PRODUCT HEIGHT	12.7 mm
PRODUCT WIDTH	139.7 mm
PRODUCT WEIGHT	0.14 kg
CERTIFICATIONS	CSA Class No.: 4652-04 / 4652-84 UL 508 CSA CSA File No.: 224447 IEC/EN 60947-5-2 CE CSA-C22.2 No. 14 UL File No.: CSA report applies to both US and Canada

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	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	0 °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
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-00004651.pdf DA-DC-00004656.pdf
DRAWINGS	eaton-proximity-switches-proximity-switch-dimensions-026.eps eaton-proximity-switches-e57-proximity-switch-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.E57-12GE08-D1
INSTALLATION INSTRUCTIONS	IL05301002Z
MULTIMEDIA	We make what matters

VOLTAGE TYPE	DC
MOUNTING METHOD	Non-flush mounting
MATERIAL	Metal
CONNECTION TYPE	2-wire 2 m connection cable
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	Breaker 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	1000 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	50 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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