

Specifications

Eaton 135925



Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 N/O, 2-wire, 20 - 250 V AC, M18 x 1 mm, Sn= 5 mm, Flush, Metal, 2 m connection cable

General specifications

PRODUCT NAME	Eaton Moeller® series E57 Proximity switch
CATALOG NUMBER	135925
MODEL CODE	E57-18GS05-A
EAN	4015081327188
PRODUCT LENGTH/DEPTH	152.4 mm
PRODUCT HEIGHT	44.45 mm
PRODUCT WIDTH	152.4 mm
PRODUCT WEIGHT	0.23 kg
CERTIFICATIONS	CE CSA CSA File No.: 224447 CSA-C22.2 No. 14 UL File No.: CSA report applies to both US and Canada UL 508 CSA Class No.: 4652-04 / 4652-84 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	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
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

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-e57-proximity-switch-dimensions-014.eps 131I090
ECAD MODEL	DA-CE-ETN.E57-18GS05-A
INSTALLATION INSTRUCTIONS	IL05301002Z
MULTIMEDIA	We make what matters

MATERIAL	Metal
CONNECTION TYPE	2 m connection cable 2-wire
INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	IP67 IP69 NEMA Other
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Normally open contact
LOAD CURRENT	Max. 200 mA (Ie)
RESIDUAL CURRENT	1.8 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	25 Hz
VOLTAGE RATING - MAX	250 V
WIDTH SENSOR	0 mm
PRODUCT CATEGORY	E57 Global 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	5 mm
REPEATABILITY	1 %
SENSOR HEIGHT	0 mm
SENSOR LENGTH	80 mm
SUPPLY VOLTAGE - MAX	250 V

SUPPLY VOLTAGE - MIN	20 V
SWITCHING HYSTERESIS OF SN	15 %
VOLTAGE DROP (UD)	8 V

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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