

Specifications

Eaton 136234



Eaton E56 Pancake Series, Pancake inductive proximity sensor, 6 - 48 V DC, 1 N/O, 1 N/C, 4-wire, Plug-in connection M12 x 1, Sn= 40 mm, Flush mounting, NPN, Insulated material

General specifications

PRODUCT NAME	Eaton E56 pancake inductive proximity sensor
CATALOG NUMBER	136234
MODEL CODE	E56ADL40SAD01
EAN	4015081330270
PRODUCT LENGTH/DEPTH	41.28 mm
PRODUCT HEIGHT	79.38 mm
PRODUCT WIDTH	44.45 mm
PRODUCT WEIGHT	0.27 kg
CERTIFICATIONS	Certified by UL for use in Canada CSA-C22.2 No. 14 UL Category Control No.: NRKH, NRKH7 IEC/EN 60947-5-2 UL 508 UL CE CSA File No.: UL report applies to both US and Canada UL File No.: E166051

Product specifications

TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Connector M12
ENCLOSURE MATERIAL FINISHING	Other
SURFACE FINISHING	PPS
ACTUATION TYPE	Metallic Target
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cuboid
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
NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
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	25 A
FUNCTIONS	Short-circuit protection Protection against polarity reversal
VOLTAGE TYPE	DC
MOUNTING METHOD	Flush mounting

Resources

DECLARATIONS OF CONFORMITY	eaton-inductive-proximity-sensor-declaration-of-conformity-eu251574en.pdf
DRAWINGS	eaton-proximity-switches-inductive-sensor-e56-proximity-switch-dimensions.eps eaton-proximity-switches-e56-proximity-switch-3d-drawing-002.eps
INSTALLATION INSTRUCTIONS	IL05301008Z

MATERIAL	Insulated material
CONNECTION TYPE	Plug-in connection M12 x 1 4-wire
INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	IP67 NEMA 4X, 6, 13
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED Status indication of Operating voltage: Green LED
SWITCH FUNCTION TYPE	Anticoincidence
LOAD CURRENT	1 - 300 mA (I _e)
RESIDUAL CURRENT	0.15 mA (through the load in the blocked state at 230 V AC and 24 V DC)
SWITCHING FREQUENCY	100 Hz
VOLTAGE RATING - MAX	48 V
WIDTH SENSOR	79 mm
PRODUCT CATEGORY	E56 Pancake Series
SWITCHING OUTPUT TYPE	NPN
TEMPERATURE DRIFT OF SN	10 %
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	48 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	6 V
RATED SWITCHING DISTANCE (SN) - MAX	40 mm
REPEATABILITY	2 %
SENSOR HEIGHT	39 mm
SENSOR LENGTH	79 mm
SUPPLY VOLTAGE - MAX	48 V
SUPPLY VOLTAGE - MIN	6 V
SWITCHING HYSTERESIS OF SN	15 %
VOLTAGE DROP (UD)	2.5 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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