

Specifications



Eaton 134814

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=20mm, 1 N/C, 3L, PNP, M30, insulated material, M12

General specifications

PRODUCT NAME	Eaton Moeller® series E53 Proximity switch
CATALOG NUMBER	134814
MODEL CODE	E53KBL30T111SD
EAN	4015081316663
PRODUCT LENGTH/DEPTH	101.6 mm
PRODUCT HEIGHT	25.4 mm
PRODUCT WIDTH	114.3 mm
PRODUCT WEIGHT	0.23 kg
CERTIFICATIONS	CE IEC/EN 60947-5-2



Powering Business Worldwide

Product specifications

TYPE	Capacitive sensor
ELECTRIC CONNECTION TYPE	Plug-in connection
ENCLOSURE MATERIAL FINISHING	Other
FITTED WITH:	Status indication
ACTUATION TYPE	Other
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Cylinder, screw-thread
CATEGORY (EN 954-1)	B
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
VOLTAGE TYPE	DC
MOUNTING METHOD	Flush mounting
MATERIAL	Insulated material
CONNECTION TYPE	3-wire Plug-in connection M12 x 1
INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	NEMA 4 NEMA 12 NEMA 13 IP65
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	Max. 300 mA (I _e)
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	10 V
RATED SWITCHING DISTANCE (SN)	20 mm
REPEATABILITY	10 %
SENSOR LENGTH	80 mm
SUPPLY VOLTAGE - MAX	30 V
SUPPLY VOLTAGE - MIN	10 V
SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE RATING - MAX	250 V
PRODUCT CATEGORY	E53 Capacitive Series

Resources

DECLARATIONS OF CONFORMITY	eaton-proximity-switch-declaration-of-conformity-eu251575en.pdf
DRAWINGS	eaton-proximity-switches-e53-proximity-switch-dimensions-007.eps eaton-proximity-switches-e53-proximity-switch-dimensions-006.eps eaton-proximity-switches-e53-proximity-switch-dimensions-008.eps 1360DRW-93
INSTALLATION INSTRUCTIONS	IL05307002Z

RESIDUAL RIPPLE	10 % (U _e)
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
SWITCHING FREQUENCY	250 Hz
SWITCHING OUTPUT TYPE	PNP
TEMPERATURE DRIFT OF SN	10 %
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	30 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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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