



Eaton 135838

Eaton Moeller series E55 Limit Switch Style Series, Proximity switch, 10 - 30 V DC, d=12 mm, 1 N/C, 3-wire, 2 m connection cable, Sn= 4 mm, Non-flush mounting, PNP, Insulated material



PRODUCT NAME	Eaton Moeller® series E55 Proximity switch
CATALOG NUMBER	135838
PRODUCT LENGTH/DEPTH	165.1 mm
PRODUCT HEIGHT	12.7 mm
PRODUCT WIDTH	139.7 mm
PRODUCT WEIGHT	0.14 kg
CERTIFICATIONS	CE IEC/EN 60947-5-2



Powering Business Worldwide

□□□□

TYPE	Inductive sensor
ELECTRIC CONNECTION TYPE	Cable
ENCLOSURE MATERIAL FINISHING	Other
ACTUATION TYPE	Metallic Target
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
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	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
FUNCTIONS	Short-circuit protection Protection against polarity reversal
VOLTAGE TYPE	DC
MOUNTING METHOD	Non-flush mounting
MATERIAL	Insulated material
CONNECTION TYPE	3-wire 2 m connection cable
INSTALLATION TYPE	Not flat
DEGREE OF PROTECTION	IP66

□□

□□□□□	IL05301005Z
□□	eaton-proximity-switches-e55-proximity-switch-dimensions.eps

	NEMA 4X, 13
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	Max. 200 mA (I _e)
RESIDUAL RIPPLE	10 % (U _e)
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
SUPPLY FREQUENCY	50 Hz, Input, min. Range 60 Hz, Input, max. Range
SWITCHING FREQUENCY	1000 Hz
VOLTAGE RATING - MAX	30 V
PRODUCT CATEGORY	E55 Limit Switch Style Series
SWITCHING OUTPUT TYPE	PNP
TEMPERATURE DRIFT OF SN	10 %
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	4 mm
REPEATABILITY	10 %
SENSOR LENGTH	55 mm
SUPPLY VOLTAGE - MAX	30 V
SUPPLY VOLTAGE - MIN	10 V
SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE DROP (UD)	8 V

