



Eaton 134794

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=8mm, 1 N/C, 2L, 20-250VAC, M18, insulated material, M12

□□□□

PRODUCT NAME	Eaton Moeller® series E53 Proximity switch
CATALOG NUMBER	134794
PRODUCT LENGTH/DEPTH	114.3 mm
PRODUCT HEIGHT	12.7 mm
PRODUCT WIDTH	25.4 mm
PRODUCT WEIGHT	0.09 kg
CERTIFICATIONS	IEC/EN 60947-5-2 CE

□□□□	
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	AC
MOUNTING METHOD	Flush mounting
MATERIAL	Insulated material
CONNECTION TYPE	2-wire Plug-in connection M12 x 1
INSTALLATION TYPE	Concise
DEGREE OF PROTECTION	NEMA 13 NEMA 12 NEMA 4 IP65
INTERFACE TYPE	None
LED INDICATOR	Status indication of Switching state: Red LED
SWITCH FUNCTION TYPE	Breaker contact
LOAD CURRENT	5 - 300 mA (Ie)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	20 V
RATED SWITCHING DISTANCE (SN)	8 mm
REPEATABILITY	10 %
SENSOR LENGTH	80 mm
SUPPLY VOLTAGE - MAX	250 V
SUPPLY VOLTAGE - MIN	20 V
SWITCHING HYSTERESIS OF SN	20 %
VOLTAGE DROP (UD)	9 V
VOLTAGE RATING - MAX	250 V
PRODUCT CATEGORY	E53 Capacitive Series
OPERATIONAL CURRENT	< 2.5 mA (in the switched

□□	
□□□□□	IL05307002Z
□□	eaton-proximity-switches-e53-proximity-switch-dimensions-005.eps
	eaton-proximity-switches-e53-proximity-switch-dimensions-007.eps
	eaton-proximity-switches-e53-proximity-switch-dimensions.eps
	eaton-proximity-switches-e53-proximity-switch-dimensions-008.eps

(IB)	state at 24 V DC)
RATED SHORT-TIME WITHSTAND CURRENT	5 A (10 ms, 5 Hz)
RESIDUAL CURRENT	2.5 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
SUPPLY FREQUENCY	60 Hz, Input, max. Range 50 Hz, Input, min. Range
SWITCHING FREQUENCY	15 Hz
SWITCHING OUTPUT TYPE	Two-wire
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	18 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
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	250 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	20 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	250 V

