

Eaton 134806

Catalog Number: 134806

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=20mm, 1 N/C, 2L, 20-250VAC, M30, insulated material, M12

General specifications



Product Name	Catalog Number
Eaton Moeller® series E53 Proximity switch	134806
	EAN
	4015081316588
Product Length/Depth	Product Height
88.9 mm	25.4 mm
Product Width	Product Weight
31.75 mm	0.23 kg
Certifications	
CE	
IEC/EN 60947-5-2	

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

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

IP65

NEMA 12

NEMA 4

Resources

Catalogs

[Product Range Catalog Sensors](#) – products, basic information, applications

Declarations of conformity

[DA-DC-00004653.pdf](#)

[DA-DC-00004648.pdf](#)

Drawings

[eaton-proximity-switches-e53-proximity-switch-dimensions-008.eps](#)

[eaton-proximity-switches-e53-proximity-switch-dimensions-007.eps](#)

[eaton-proximity-switches-e53-proximity-switch-dimensions-006.eps](#)

[1360DRW-93](#)

Installation instructions

[IL05307002Z](#)

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

5 - 300 mA (I_e)

Rated control supply voltage (U_s) at AC, 60 Hz - min

20 V

Rated control supply voltage (U_s) at DC - max

0 V

Rated control supply voltage (U_s) at DC - min

0 V

Rated switching distance (S_n)

20 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

80 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of S_n

20 %

Voltage drop (U_d)

9 V

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E53 Capacitive Series

Operational current (I_b)

< 2.5 mA (in the switched 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

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

Output current at protected output - max

0 mA

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



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