

**Proximity switch, E57P Performance Serie, 1 NC, 3-wire, 10 – 48 V DC, M30 x 1.5 mm, Sn= 15 mm, Non-flush, NPN, Stainless steel, 2 m connection cable**



**Part no. E57P-30UNC15-C2  
197811**

Product name	Eaton Moeller® series E57P Proximity switch
Part no.	E57P-30UNC15-C2
EAN	4015081949182
Product Length/Depth	67.7 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.17 kilogram
Certifications	UL 508 UL Category Control No.: NRKH, NRKH7 IEC/EN 60947-5-2 Certified by UL for use in Canada UL File No.: E166051 UL Listed CSA-C22.2 No. 14
Product Tradename	E57P
Product Type	Proximity switch
Product Sub Type	None
Actuation type	Metallic Target
Ambient operating temperature - max	70 °C
Ambient operating temperature - min	-40 °C
Category (EN 954-1)	B
Connection type	3-wire 2 m connection cable
Degree of protection	NEMA 6P IP69
Diameter sensor	30 mm
Diameter sensor [7EF007111]	mm
Electric connection type	Cable
Enclosure material	Metal
Enclosure material finishing	Other
Enclosure type	Cylinder, screw-thread
Explosion safety category for dust	None
Explosion safety category for gas	None
Functions	Short-circuit protection
Height of sensor [7EF007283]	mm
Installation type	Not flat
Interface type	None
LED indicator	Status indication of Switching state: Yellow LED
Length of sensor [7EF007334]	mm
Load current	1 - 300 mA (I <sub>e</sub> )
Material	Stainless steel
Max. output current at protected output [7EF004035]	mA
Mounting method	Non-flush mounting
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

Operational current (Ib) in the switched state at 24 V DC		10 A
Output current at protected output - max		0 mA
Product category		E57P Performance series
Rated control supply voltage (Us) at AC, 50 Hz - max		0 V
Rated control supply voltage (Us) at AC, 50 Hz - min		0 V
Rated control supply voltage (Us) at AC, 60 Hz - max		0 V
Rated control supply voltage (Us) at AC, 60 Hz - min		0 V
Rated control supply voltage (Us) at DC - max		30 V
Rated control supply voltage (Us) at DC - min		10 V
Rated control supply voltage Us at AC 50HZ [7EF003978]		V
Rated control supply voltage Us at AC 60HZ [7EF003979]		V
Rated control supply voltage Us at DC [7EF003980]		V
Rated switching distance (Sn) - max		15 mm
Repeatability		3 %
Safety performance level (EN ISO 13849-1)		None
Sensor height		0 mm
Sensor length		67.7 mm
Shock resistance		30 g, Shock duration 11 ms, Half-Sinusoidal
SIL (IEC 61508)		None
Supply voltage - max		30 V
Supply voltage - min		10 V
Supply voltage [7EF004127]		V
Switch function type		Breaker contact
Switching distance [7EF003647]		mm
Switching frequency		500 Hz
Switching frequency [7EF003587]		Hz
Switching hysteresis of Sn		20 %
Switching output type		NPN
Temperature drift of sn		10 %
Type		Inductive sensor
Voltage drop (Ud)		2.5 V
Voltage type		DC
Width sensor		0 mm
Width sensor [7EF007094]		mm

## Technical data ETIM 8.0

Sensors (EG000026) / Inductive proximity switch (EC002714)		
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Safety-related proximity switch / Safety-related inductive proximity switch (ec1@ss10.0.1-27-27-24-01 [AKE630014])		
Width sensor	mm	0
Height of sensor	mm	0
Length of sensor	mm	67.7
Diameter sensor	mm	30
Mechanical mounting condition for sensor		Not flat
Switching distance	mm	15
Suitable for safety functions		No
Type of switch function		Breaker contact
Type of switching output		NPN
Type of electric connection		Cable
Number of semiconductor outputs with signalling function		1
Number of contact energized outputs with signalling function		0
Number of protected semiconductor outputs		0
Number of protected contact energized outputs		0
Type of actuation		Metallic Target
Type of interface		None
Type of interface for safety communication		None

Construction type housing			Cylinder, screw-thread
Coating housing			Other
Cascadable			No
SIL according to IEC 61508			None
Performance level according to EN ISO 13849-1			None
Max. output current at protected output		mA	0
Supply voltage		V	10 - 30
Rated control supply voltage Us at AC 50HZ		V	0 - 0
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	10 - 30
Voltage type			DC
Switching frequency		Hz	500
With monitoring function downstream switching devices			No
Material housing			Metal
Compression-resistant			No
Explosion safety category for gas			None
Explosion safety category for dust			None
Interference resistance to magnetic fields			
Degree of protection (NEMA)			6P